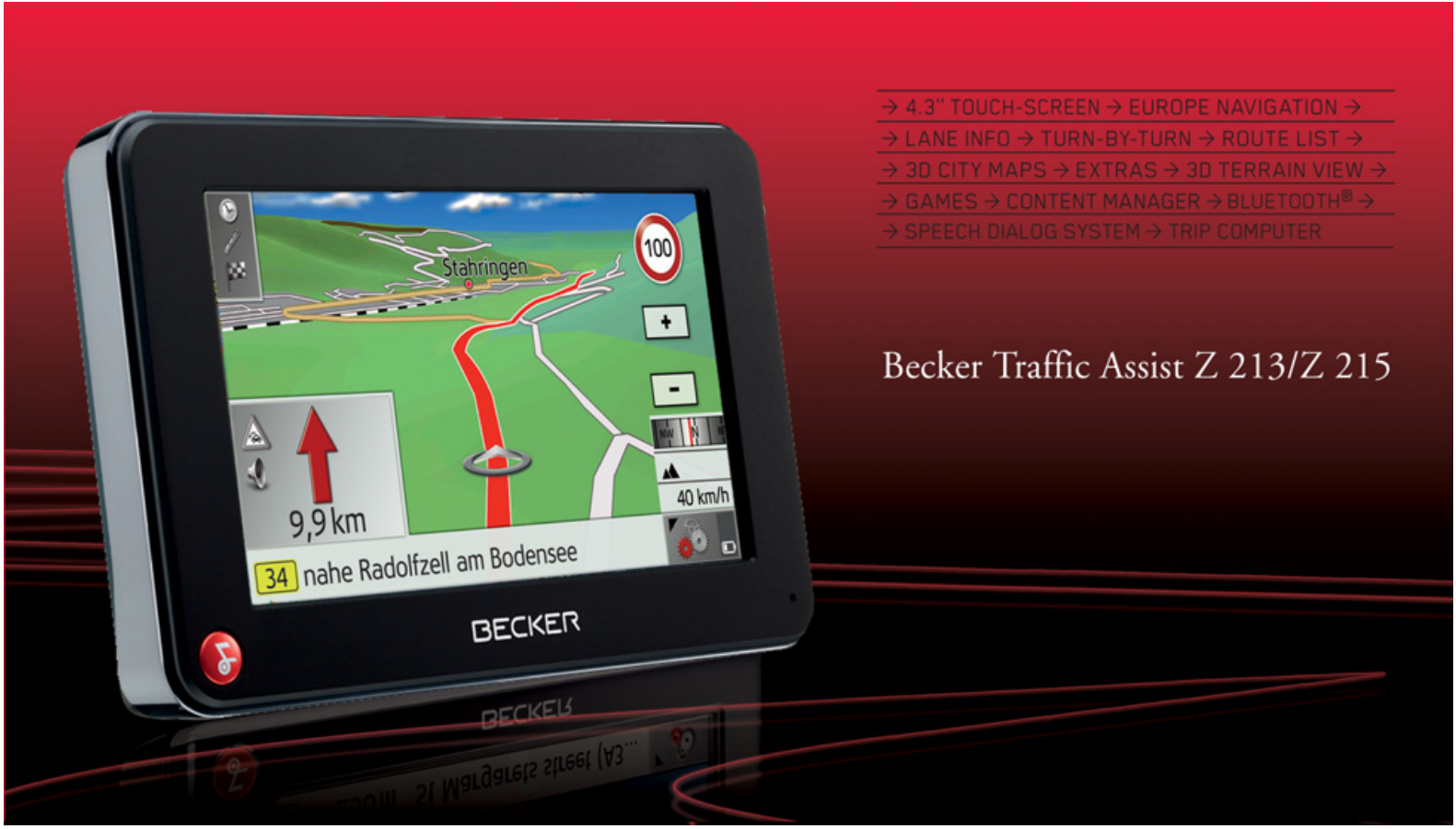
→ 4.3" TOUCH-SCREEN → EUROPE NAVIGATION →
→ LANE INFO → TURN-BY-TURN → ROUTE LIST →
→ 3D CITY MAPS → EXTRAS → 3D TERRAIN VIEW →
→ GAMES → CONTENT MANAGER → BLUETOOTH® →
→ SPEECH DIALOG SYSTEM → TRIP COMPUTER
Becker Traffic Assist Z 213/Z 215
Stahringen
100
9,9 km
40 km/h
34 nahe Radolfzell am Bodensee
BECKER

BECKER

Operating instructions

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⚠Safety information

- **The unit may only be operated if the traffic situation allows for this and if you are absolutely certain that you yourself, your fellow passengers or other road users will not be put at risk, encumbered or disturbed by this.**
- **The rules of applicable road traffic acts must be observed at all times. Destinations may only be input when the vehicle is stationary.**
- **The navigational system is only an aid. The data/details provided may in some cases be incorrect. The driver must always decide whether to follow the details given or not. We accept no liability for the navigational system issuing incorrect details. As a result of traffic routing changes and deviating data, inaccurate or incorrect instructions may be given. Drivers should always pay attention to the actual road signs and traffic control. In particular, the navigational system cannot be used as a means of orientation in cases of poor visibility.**
- **The unit may only be used for its intended purpose. The volume of the navigational system should be set so that noises outside the vehicle can still be heard.**
- **The unit should be switched off immediately if faults occur (e.g. development of smoke or smells).**
- **For safety reasons, the unit may only be opened by a specialist. Please contact your local stockist if you require repairs.**

- **The mains voltages (V) indicated on the mains charger, the car charger adapter and the unit must not be exceeded. Failure to observe this can result in destruction of the unit and the charger as well as explosion of the rechargeable battery.**
- **Never open the unit or the rechargeable battery. Any modification to the unit is also impermissible and renders the type approval invalid.**
- **Use only genuine BECKER original accessories. This will ensure that all the relevant regulations are complied with and damage to health and property is avoided. Dispose of defective units and the rechargeable battery according to the applicable legal requirements.**
- **No warranty is granted in the case of improper use. These safety instructions also apply to genuine BECKER original accessories.**

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Contents of the operating guide

This operating guide describes the two units Traffic Assist Z213 and Traffic Assist Z215. Places where the description or equipment for the two units differ are indicated with an asterisk (*) and a corresponding footnote.
Functions that are only available as an option are also indicated with an asterisk (*) and a corresponding footnote. The optional functions can be activated later for a fee via the Content Manager.

Use

The Traffic Assist is a powerful PND (**P**ersonal **N**avigation **D**evice) for use in vehicles and closed spaces. The unit and the accessories are to be protected against moisture and dirt.

The Traffic Assist can be used as:

- navigational unit
- MP3 (device for playing music)*
- Picture viewer*
- Video player*
- Via a cell phone with Bluetooth® as a very comfortable hands-free unit.

Navigation

Thanks to GPS = **G**lobal **P**ositioning **S**ystem, you no longer need to spend hours searching through road atlases.
Once outside buildings, the receiver antenna integrated in the unit gives you continuous access to navigational possibilities. Depending on reception, you may not be able to use the navigational function inside buildings. When used in vehicles, you may not be able to adequately receive GPS data depending on how the Traffic Assist is installed. In such cases, you will have to connect up an external antenna (does not fall within the scope of supply).
Your Traffic Assist is equipped with TMC. TMC gives you the option of receiving traffic announcements. You will then be informed of any traffic problems. The system plans an alternative route automatically or on request to avoid traffic problems, depending on the setting.

*Function can be retrofitted via the Content Manager.

Music*
Thanks to the integrated MP3-Player, you can listen to your favourite tracks when on the go.

Pictures*
The Traffic Assist has a Picture Viewer offering many functions for viewing pictures.

Video*
Traffic Assist features a video player for playing videos.

Telephone
Your Traffic Assist is equipped with Bluetooth® wireless technology. Via Bluetooth®, you may connect to a cell phone that is equipped with Bluetooth® wireless technology. Your Traffic Assist can then be used as a very comfortable hands-free unit. In addition, you also have the option of having the mobile phone's address book or phonebook and received text messages read out.

Unpacking the Traffic Assist

Note:

Your Traffic Assist is supplied in stable packaging. Do not unpack the unit in full if you discover any serious damage to the packaging or its content. If this happens, please contact your local stockist.

Checking the delivery
Before the Traffic Assist is started up, the delivery should be checked to ensure that it is complete and in the correct condition (see also page 13).

→ Carefully unpack the content of the package and check it.

Delivery contents

1. Traffic Assist
2. Unit holder with carrier plate
3. USB cable
4. Motor vehicle adapter power supply 12/24 V for cigarette lighters with built-in TMC antenna
5. DVD containing the Content Manager and the operating guide (not illustrated).

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*Function can be retrofitted via the Content Manager.

Complaints procedure

Please contact your local stockist if you have any complaints. The unit can also be sent directly to Harman/Becker in its original packaging.

Handling the packaging

Keep the original packaging in a dry place, at least for the warranty period.

Note:

The packaging should be disposed of correctly in accordance with national disposal guidelines. The packaging must not be burnt. Depending on the country to which the unit is supplied, it may be possible for local stockists to accept packaging.

Description of unit

The Traffic Assist consists of the basic unit Traffic Assist and the accessories included in the delivery.
You will find photos of the individual parts under:

• "Overview Traffic Assist" on page 13

Note:

The basic unit and accessories must not be opened or modified in any way.

Traffic Assist - basic unit

The basic unit contains all the electronics:

- an integrated antenna,
- a TMC receiver for the reception of traffic messages,
- a touchscreen,
- an integrated loudspeaker for the output of messages during navigation or for MP3 files*, videos* and telephone calls,
- a microphone.

On the side of the unit, there are also various connections and ports.
You will find more details of the unit under:

• See “Technical Data” on page 129.

*Function can be retrofitted via the Content Manager.

Cable for power supply from cigarette lighter

This cable allows the unit to be connected up to the car's cigarette lighter.
The power supply must satisfy the following requirements:

- DC current 12/24 volts
  0.5 amps

Battery

When depleted, the integrated rechargeable battery can be recharged by connecting the Traffic Assist to the power supply. For this purpose, connect the unit via a car power adapter to a 12/24 V socket in a vehicle or via the optional mains power supply unit to the 230 V mains.

Note:

You can charge the Traffic Assist via the car charger cable included in the scope of delivery or via the optionally-available mains power supply unit.
When the Traffic Assist is connected to a PC, it is supplied with power via the PC and does not consume battery power.

USB connection cable

With the USB connection cable provided, it is possible to connect the Traffic Assist to a standard PC with a USB interface. The 4GB flash memory of the Traffic Assist and a micro SD card that can be inserted may be addressed via the PC like a removable medium.

Unit bracket

The Traffic Assist can be mounted in the vehicle using the unit bracket.

Accessories

Mains power supply unit

This power supply allows connection of the Traffic Assist to a mains outlet.
Requirements for power supply:
Alternating current

- 100-240 V
  0.3 Amps
  50-60 Hertz

External GPS antenna

You can use an external antenna to improve reception in vehicles where only limited GPS reception is available (not included in the scope of supply). Please contact your local stockist for more information.
Details of the connection can be found under "Connecting up external antenna" on page 20.

Cable for vehicle integration

With the optional cable you can integrate your Traffic Assist seamlessly into your vehicle. Details of the connection can be found under "Cable for vehicle integration (optional)" on page 20.

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Headset

Standard headphones with a 3.5 mm connector or suitable adapter (not included) can be connected when using Traffic Assist.

⚠Danger!

Prevention of damage to hearing

The use of headphones or earphones over a relatively long period of time at a high volume may cause permanent damage to your hearing.

Conformity with the limits for sound pressure laid down in the standard NF EN 50332-1:2000 as required by French Article L. 5232-1 is guaranteed.

Note:

Headphones should not be used while driving. Comply with the local national laws and regulations.

Information about documentation

Quick start guide

The Quick Start Guide is designed to provide a brief introduction to operating your Traffic Assist. The most important basic functions of the Traffic Assist are explained in the Quick Start Guide.

Operating instructions

A comprehensive explanation of the Traffic Assist functionalities is contained in these operating instructions.

Registration

You can register your product using our software service, we will then inform you of any new updates and other news.
You can register online on the Becker homepage www.mybecker.com.

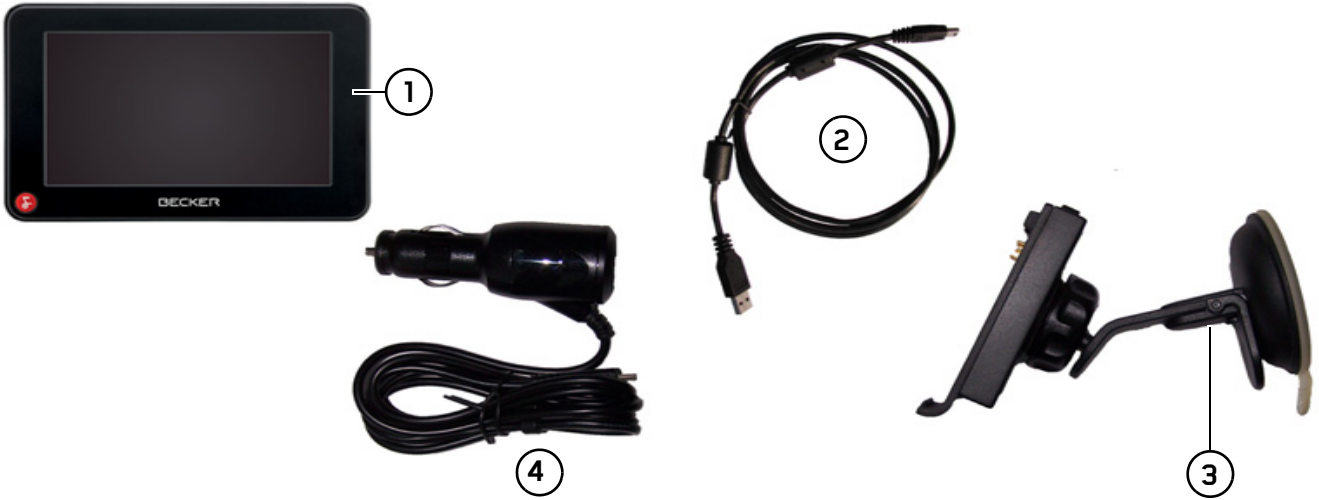
The “Software update” menu item is located under “SERVICE/SUPPORT“.

Repairs

The unit must not be opened if damaged. Please contact your local stockist.

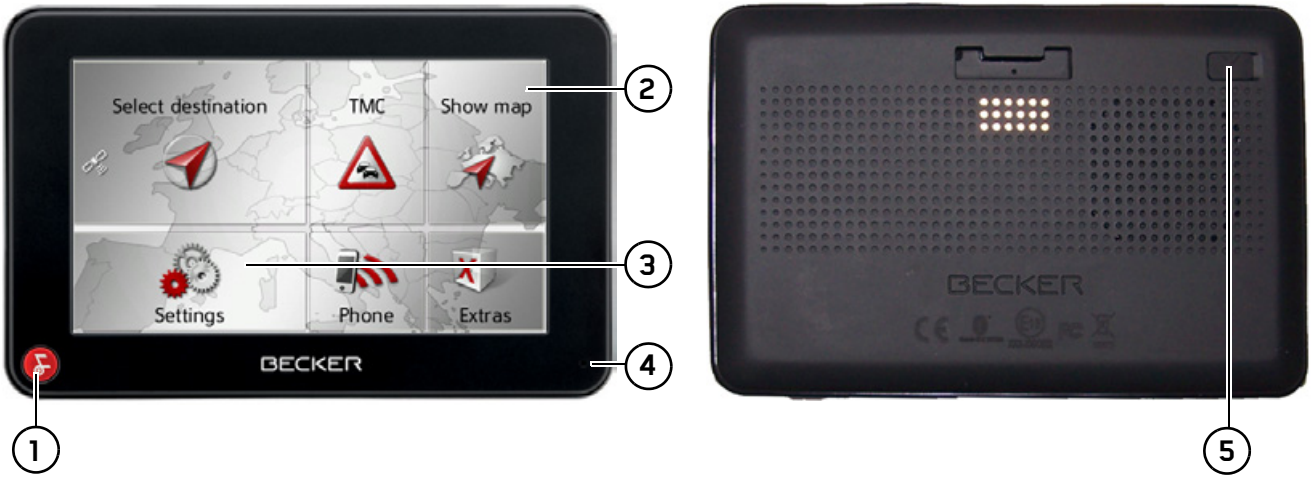
Emissions and disposal

Information on emissions, electromagnetic compatibility and disposal can be found in "NOTICE" on page 130.



Scope of supply

1 Traffic Assist - PND (**P**ersonal **N**avigation **D**evice)
2 USB connection cable
3 Unit holder with carrier plate
4 Cables for voltage supply via the vehicle's cigarette lighter (12/24 volt) with built-in TMC antenna



Front of unit with controls and displays

1 Becker button ( )
Press = Back function in most applications
Press and hold = Calls up the main menu

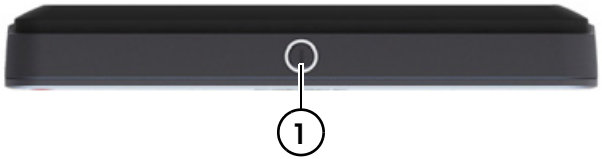
2 Touch screen showing the main menu selected

3 Touch screen key
Press = activates the corresponding key command

4 Microphone

Rear of unit

5 Point for connecting up an external antenna
(external antenna not included in the scope of supply)



Top of the unit

1 Switching the Traffic Assist on and off (standby)

Underside of the unit

2 Slot for Micro SD card
3 3.5 mm jack for headphones (headphones not included)
4 Mini USB port/connection for power supply
5 On/Off switch

Maintenance and care

The unit is maintenance-free.
For proper care, a commercially available cleansing fluid for electrical devices may be applied using a soft damp cloth.

⚠Danger!
Danger to life by electrocution. Always switch off the unit and disconnect the mains power supply unit before cleaning the unit, supplied components, or accessories.

Note:
Do not use any aggressive or abrasive substances or cloths which may damage the surface.
The unit must not be exposed to water.

Your mobile navigation system was designed and manufactured with great care and should be treated with equal care. You will enjoy your mobile navigation system for a long time to come if you observe the recommendations listed in the following:

- Protect your mobile navigation unit and the accessories from water and moisture. If your unit has been exposed to moisture, switch it off immediately and disconnect the power supply. Allow to dry at room temperature.
- Do not operate your mobile navigation system in a dusty or dirty environment and do not store it in such an environment.
- Do not store your mobile navigation system in hot environments. High temperatures can shorten the service life of electronic components in your unit, damage the rechargeable batteries and cause certain plastics to warp or melt.
- Do not store your mobile navigation system in cold environments. During operation, when the unit warms up to operating temperature, moisture may form internally, causing damage to electronic components.
- Do not drop your mobile navigation system unit, protect it from shocks and do not shake it. Improper handling can damage components within the unit.
- Never use corrosive or aggressive chemicals, cleaning solutions or aggressive detergents for cleaning.

All the above information applies equally to the mobile navigation system, the rechargeable battery, the mains charging and car power adapters as well as all accessories. Should one of these parts not work properly, please contact your authorised dealer.

Battery quality declaration

The capacity of the rechargeable battery in your mobile navigation system decreases with every charging/discharging cycle. Improper storage at excessively high or low temperatures may also cause a gradual deterioration of capacity. Consequently, the operating time may be substantially reduced even in the case of a fully charged battery.
The rechargeable battery is designed such that it should certainly still be possible for it to be charged and discharged after 6 months of operation of your mobile navigation system.

Display quality declaration

In some cases, for technical reasons, a few discoloured dots (pixels) may be visible on the display. Some pixels may also appear brighter or darker. However, such instances do not represent a product flaw.

Start-up

Once the Traffic Assist has been unpacked and checked for damage, the unit can be started up. The individual start-up stages are:

- connect to power supply
- Switching on the unit
- Ensuring antenna reception (if navigation is desired)

Power supply

Note:

You can charge the Traffic Assist via the car charger cable included in the scope of delivery or via the optionally-available mains power supply unit.
When the Traffic Assist is connected to a PC, it is supplied with power via the PC and does not consume battery power.

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Using the battery

The internal power supply is via the integrated rechargeable battery. The rechargeable battery is maintenance-free and does not require any particular care.

Note:

Note that if the battery is completely discharged, it may take up to a minute before the device can be switched on again.

Note:

In the event of a defective battery, please contact your authorised dealer. Please do not attempt to remove the battery yourself.

Connection for the cigarette lighter

Note:

If the cigarette lighter has recently been used and is still hot, wait until the lighter socket has cooled down.

Connect the power supply via the vehicle battery and the cable provided for the cigarette lighter as follows:

→ Hold the connector of the connecting cable and push it all the way into the connecting socket on the Traffic Assist or the connecting socket on the underside of the carrier plate without using excessive force.

→ Insert the adapter into the cigarette lighter.

Note:

When the engine is switched off, the power supply slowly discharges the vehicle battery via the cigarette lighter!
Do not therefore operate the Traffic Assist for long periods with the engine switched off.
TMC announcements can only be received when the power supply is connected to the carrier plate.

Connection to the mains outlet

⚠Danger!

Ensure that you do not have wet hands and that the power supply unit is dry. Only connect the power supply unit to a permissible mains power supply.

Connecting power supply

Connection to the public mains grid is achieved using the optionally available mains power supply unit. Please proceed as follows to connect to the mains:

→ Hold the connector and push it all the way into the connecting socket in the Traffic Assist without using excessive force.

→ Insert the plug of the power supply unit into the socket.

Note:

Remove the power supply unit when not using the Traffic Assist for longer periods of time.

TMC antenna

The supplied TMC antenna is integrated into the cable for power supply.

The TMC antenna runs in parallel with the the cigarette lighter cable in the delivered condition.

If the TMC reception is poor, you must remove the cable of the TMC antenna from the cable for the cigarette lighter. You can then use the supplied suction cup to attach the TMC antenna to the windshield.

Note:

The TMC antenna must be installed in such a way that it does not distract you while driving.

GPS-antenna

Unit antenna

The GPS antenna is integrated into the housing.

Note:

The integrated GPS antenna is not suitable for use in vehicles with anti-glare windows (metalised thermo-glass or metal foil, indicated by the window label - SIGLA SOL, SIGLA CHROM, SIGLA, KOOL-OF, SUNGATE, etc.) and vehicles with fine-meshed heating wires in the windows.

If this is the case, use an external GPS antenna. Please consult your local specialist dealer.

Connecting up external antenna

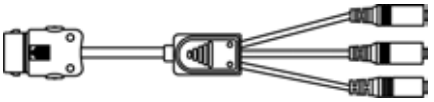
To enable reception under adverse reception conditions, an external GPS antenna can be connected (not included). For this purpose, a closable connecting socket is located on the rear of the housing. If no external antenna is connected, this connection must always be closed again.

→ Open the closure by pulling gently on the side.
→ Connect the external antenna using the optionally available adapter.

Cable for vehicle integration (optional)

With the optional cable you can integrate your Traffic Assist seamlessly into your vehicle.
With this cable you can:

- connect your Traffic Assist to the phone mute function of your audio system. If the cable is connected correctly, your audio system will mute the car radio during navigation announcements.
- connect your Traffic Assist to your audio system for output of the audio signal.
- You can connect an optionally available microphone.

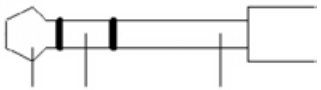


The individual connectors on the other end of the cable are labelled.

→ Insert the cable into the socket provided on the underside of the carrier plate.

Required configuration of the 3.5mm jack plug for connecting an audio cable.

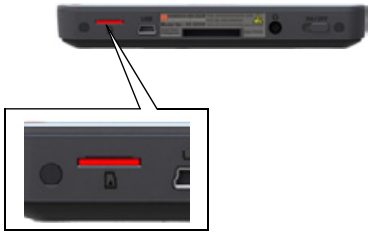
Required configuration of the 3.5 mm jack plug for connecting a microphone.



Required configuration of the 2.5 mm jack plug for connecting the telephone mute cable.

Memory card

Your Traffic Assist has a slot for a micro SD memory card.
As the map data is stored in an internal memory on the Traffic Assist, the slot for a micro SD memory card is used for updates and for playing music*, viewing images* or watching videos*.
The memory card can also be used for supplementing the map data.



The card slot is located on the left on the underside of the unit. The card slot is equipped with a spring-actuated locking and ejector mechanism.

Inserting memory card

→ Remove the memory card from its packaging without touching or soiling the contact bar.
→ Hold the memory card so that the contact strip is facing towards the rear of the unit.
→ Guide the memory card into the card slot.
→ Exert a little pressure and slide the memory card into the card slot until it snaps in.

Ejecting memory card

The card slot ejects the card so that you can pull it out with two fingers.
→ Use your finger to gently press the memory card against the spring force into the card slot and then release it.
The card is ejected.
→ Remove the memory card and place it in the packaging while ensuring not to touch contact bar.

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*Function can be retrofitted via the Content Manager.

Unit bracket

The Traffic Assist can be attached directly to the windscreen with the unit holder.

Note:

The Traffic Assist and unit bracket must not be exposed to long periods of direct sunlight. Temperatures inside the vehicle of +70 C and higher may damage parts of the bracket.

1. Suction surface
2. Lever
3. Base
4. Fastening screw
5. Carrier plate
6. Release button

Fitting the unit bracket

Note:

Fasten the unit holder such that your field of vision is not impaired when the Traffic Assist is installed and ensure that the unit is outside the deployment area of the airbag.
Ensure that the electrical connection cable does not hamper you from accessing the vehicle's controls.
Clean the attachment surface on the windscreen to ensure that it is clean and free of grease. Do not use greasy or soapy cleaning agents.

On the windscreen

The unit holder can be attached directly to the windscreen using the suction mechanism.

→ With the holder disassembled, place the fastening screw on the ball of the base (2). Then press the carrier plate onto the ball and tighten the fastening screw (4) slightly.
→ Select a suitable spot to attach.
→ Press the base (2) with its suction surface (1) against the windscreen. Turn the unit holder such that the carrier plate is positioned roughly in the desired viewing direction.
→ Press the lever (3) down.

The holder has attached itself firmly to the windscreen. It can now be adjusted with precision. In order to remove it, operate (3) the lever again.

Adjusting the unit holder's position

→ Loosen the fastening screws (4) until the carrier plate (5) can be moved without using excessive force.
→ Move the carrier plate (5) to the required position and hold it in this position.
→ Tighten the fastening screws (4) enough that the Traffic Assist is held securely in place when the vehicle is in motion.

Attaching the Traffic Assist

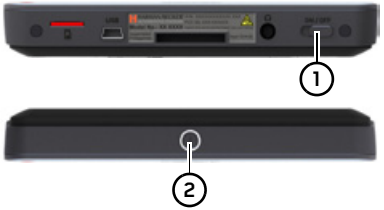
→ Position the Traffic Assist, with the attachment point on the bottom of the housing, onto the carrier plate (5).
→ Without using excessive force, press the Traffic Assist onto the carrier plate (5). The Traffic Assist locks into place.

Removing the Traffic Assist

Press the button (6) on top of the carrier plate (5) and remove the Traffic Assist from the carrier plate using your free hand.

Switching the Traffic Assist on/off

Using the On/Off switch (1) you can switch the Traffic Assist on or off completely.
Using the button (2) on the top of the Traffic Assist you can place the unit in sleep mode or switch it on again from sleep mode.



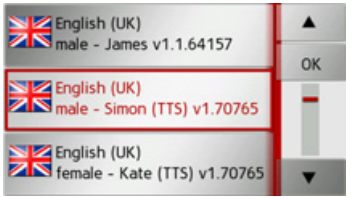
Switching on

→ Set the On/Off switch on the underside of the unit to On.
→ Press the button on the top of the Traffic Assist.
The unit is switched on. The manufacturer's logo appears on the touchscreen.

When the Traffic Assist is started for the first time, the language selection is displayed automatically.

Using the ▲ ▼ buttons, it is possible to scroll through the list in the direction of the relevant arrow.

→ Press the button for the required language.
→ The selection is confirmed by pressing **OK**.

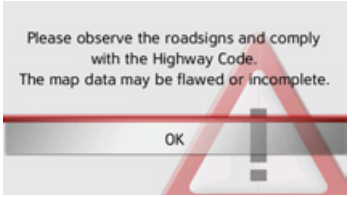


→ Then select the desired voice.

Note:

Voices with a (TTS) tag support the text-to-speech function (e.g. announcing roads and reading out text messages).

A short example announcement is given.
→ Confirm your selection by pressing the **OK** button.
The following prompt appears shortly afterwards:



→ If you agree to the request contained in this prompt, press the **OK** button.

Note:

Use of the Traffic Assist is only permitted in accordance with the national road traffic regulations applicable at the time.

Switching off

You can switch the unit off at any time.

→ Press the button on the top of the Traffic Assist.

The Traffic Assist switches to sleep mode.

→ To switch off the Traffic Assist completely, set the On/Off switch on the underside of the unit to Off.

Note:

We recommend that you place the Traffic Assist in sleep mode in the event of short interruptions to operation (of up to a week).

This significantly reduces the switch-on time and the Traffic Assist finds the satellites required for navigation much faster.

If route guidance was active when sleep mode is activated, it is automatically resumed if the Traffic Assist is switched back on again within approx. 4 hours.

Basic information about the touch screen

The Traffic Assist is fitted with a touch screen.

Note:

To ensure that the display's surface is not damaged, you may only touch it with your fingers or a blunt, non-smearing object.

Operation

When you touch a button on the touchscreen, the button in question is briefly shown outlined in red to confirm the selection.

If you touch a button that is not active at the moment, a short signal tone sounds.

Calibration

If the touch screen starts responding imprecisely and e.g. buttons have to be touched off-centre in order to be actuated, calibration should be undertaken.

The calibration function is started from the Settings menu (see also page 120).

Basic information about the menus

During operations, you are assisted by various menus and entry windows.

The main menu

The top menu level is the main menu. The individual applications are started from the main menu.

You will find information about the individual applications in the corresponding main chapters.
In addition to the individual applications, the main menu also contains further information and operating options.

You can tell whether a telephone is already connected by the symbol on the **Phone** button.

(1) Telephone connected
(2) Telephone not connected

A satellite symbol on the left-hand side of the **Select destination** button indicates whether there is currently any GPS reception.

(1) GPS reception
(2) No GPS reception

If route guidance is already active, the current destination address and a button for cancelling route guidance will be displayed between the two rows of buttons.

Press the button (1) to cancel route guidance to the displayed destination directly in the main menu.

Entries made with the entry menu

Some applications require entries to be made via the entry menu. The entry menu is operated in a similar way to a keypad.

The character entered on the keypad is displayed in the top line of the entry menu. The central area is used to enter characters. Help functions are provided in the right line. Descriptions of how to operate the menu are provided below.

Entering characters

Characters are entered by pressing the keys in the central area.

Once the entry is complete, the process is concluded by pressing the OK key and the entry passed on to the Traffic Assist for processing.

When a navigation destination is entered, the Traffic Assist compares the data with the stored data.

Only those letters that are still possible are available for selection.

Characters that cannot be selected are displayed greyed out.

Accepting proposals

During entry, the Traffic Assist makes proposals in the uppermost line.

The proposals take into account your usage habits. For instance, if you enter the city of Hamburg often, then after you enter the letter “H” the proposal “Hamburg” is automatically displayed.

If no preferences are known for the letter entered, then cities/locations suitable for the entry are displayed as proposals.

→ To accept the proposal, you may press either the input field or the OK button.

Scrolling through the lists

If you have already entered some of the letters of the selection you want, you can use the selection list to display all the destinations containing the combination of letters in question.

→ To call up the selection list, press the >300 key.

Note:

The quantity of selection options is displayed in the form of the number on the button. When there are more than 300 options, the precise number is not displayed.
In the list, all the entries corresponding to the letters already entered are displayed. The letters entered are coloured red in the case of the individual entries.

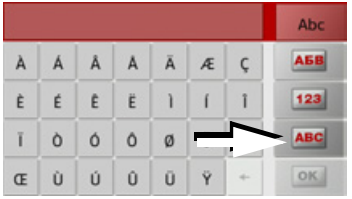
The selection list appears.

→ Press the ▲ ▼ arrow keys on the right hand side of the screen to scroll through the list.
→ Press the destination you want.
The destination is adopted and the selection list is closed.

Special characters and umlauts

Special characters and umlauts do not have to used when entering the names of towns and streets. The Traffic Assist will change entries from AE, OE and UE if necessary.
→ If, for example, you are looking for the location "Würzburg", then simply press "WUERZBURG" or "WURZBURG".
Special characters can be useful when naming destinations and routes.

→ In order to switch to the special characters keyboard, press the button marked with an arrow.
The special characters keyboard is displayed.



→ Enter the desired special character.
After you enter a character, the Traffic Assist automatically switches to the normal input menu.
To exit the special character keypad without an entry, press the button marked with the arrow.

Other character sets

Different character sets can be selected for the keyboard of the Traffic Assist.

→ Press the button marked with an arrow repeatedly until the desired character set is selected.

Entering numbers

Switch to the numbers keyboard in order to enter figures.

→ Press the 123 button.

The numbers keyboard is displayed.

→ In order to return again to the keyboard for entering letters, press the button marked with an arrow.

Switching between upper and lower case

During free text entry, it is possible to switch between upper/lower case and the automatic function.

→ Press repeatedly on the button in the top right-hand corner of the display until the desired method of entry is activated.

The inscription on the button symbolises the method of entry.

- The Abc button represents automatic mode. This means that, on entry, the first letter is automatically in upper case and subsequently changes automatically to lower case.
- The ABC button represents the entry of upper case letters.
- The abc button represents the entry of lower case letters.

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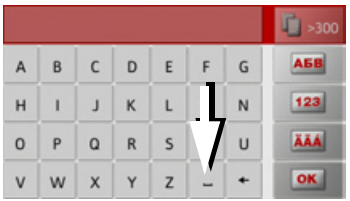
Deleting characters

To delete the last character, use the back key.

→ To delete the character to the left of the cursor, press the ← key.

Inserting spaces

If you have an entry with two words, e.g. for names of towns, the words should be separated by a space.



→ To enter a space, press the _ key.

The Becker key

The key is integrated in the bottom left hand corner of the casing.

It has various functions:

- Depending on the menu context, if pressed briefly, you will be returned to the previous entry level.
- The main menu is displayed by pressing and holding the button.

Content Manager

The Content Manager is a PC-based application containing a number of important functions to help you manage the content on your Traffic Assist.
With the Content Manager you can:

- back up the content saved on the Traffic Assist to your PC and restore it later to your Traffic Assist,
- install content stored on the DVD and
- download current content from the Internet and install it on the Traffic Assist.

To use the Content Manager, you will need the USB cable provided as well as a computer that meets the following minimum requirements:

	Minimum requirements
Operating system	Windows XP
Processor	300 MHz clock frequency
Main memory	256 MB
Free storage space	2 GB

Installing the Content Manager

You can install the Content Manager on your computer with the following steps:

→ Insert the DVD containing the Content Manager in the DVD drive of the computer.

→ If the DVD does not start automatically, please start the "BECKERCMSETUP.EXE" file in the "CONTENTMANAGER" directory manually.

→ Select a language from the list and then click on **OK**.

→ Read the welcome page and click on **Next** to continue.

→ Select the installation folder. A default installation folder is already specified. To select another folder, either type in the path name or click on **Browse** and define another folder.

→ Click on **Install** to start the copying procedure. Click on **Details** to see the details during copying.

The Content Manager is automatically started immediately after installation. Remove the check mark from the box if you do not want this.

This completes the installation procedure.

→ Click on **Finish** to exit the installation program.

Starting the Content Manager

Execute the following actions to start the Content Manager:

→ Connect the USB interface of the Traffic Assist directly to the USB port of the computer using the USB cable provided.

→ Switch on the Traffic Assist using the button.

Note:

When you connect the Becker Traffic Assist to the PC for the first time, the PC installs all the necessary drivers and then displays the message "Your unit is now ready to use".

After a short time, the Traffic Assist is displayed as a removable storage medium on the computer.

→ Click on **Start** > **All Programs** on the computer.
→ Select **Becker**.
→ Click on **Content Manager**.

When the Content Manager is started, the program executes a number of steps before you can start to manage your navigation software content.
Each time the program is called, a connection is established to the Internet to check whether a new version of the Content Manager is available. If a new software version is found, the Content Manager gives you the option of installing it. We recommend that you always agree to the upgrade, if one is available. If a new software version is found, you have the following options:

- Click on **Yes** to accept the new software version. The new version is downloaded and installed before you can start the Content Manager.
- Click on **No** to start the Content Manager with the version already installed.
- If the new version is a critical update, the **Exit** button will be shown instead of the **No** button. You must install the new version, otherwise you have to exit the application.

When you insert the DVD in the DVD drive of your PC, the Content Manager automatically reads and catalogues the DVD content (provided it has not already been added to the content list).
If you have not yet made a backup of the navigation unit, the Content Manager will ask you each time it starts whether you would like to make a complete or partial backup copy.

Note:
We recommend that you always create the backup. Otherwise you will not be able to restore the content in the event of loss of data.

Transferring music tracks, pictures and videos

Images*, music* and videos* can be stored on a separate Micro SD memory card (not included in the scope of delivery) or in the internal memory of the Traffic Assist in the "Media" folder.
Files can be transferred via a card reader or a USB connection.

Note:
We recommend that you give files and directories self-explanatory names so that it is simpler to find these again, if need be.

*Function can be retrofitted via the Content Manager.

Faults

Malfunctions in the operating system or in the unit are displayed accordingly. If the function you want cannot then be executed, you should restart the Traffic Assist using the On/Off switch.
If the messages reappear or the unit does not function correctly for any other reason, please contact your local stockist.
You can also try to find a solution to your problem in the FAQ in the Support area on the Becker homepage (www.mybecker.com).

Note:
Never attempt to open the unit yourself. Please contact your authorised dealer if you are unable to remedy the fault.

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What is navigation?

The term "navigation" (lat. navigare = to travel by sea) is generally understood to mean the location of a vehicle, the determination of the direction and distance from the desired destination and the determination of the required route. Stars, prominent landmarks, compass and satellites etc. are used as navigation aids.
With the Traffic Assist, the location is determined by the GPS receiver. The Global Positioning System (GPS) was developed during the 1970s by the US military as a weapons guiding system.
GPS is based on a total of 24 satellites orbiting the Earth and emitting signals. A GPS receiver receives these signals and uses the signal times to calculate the distance to an individual satellite, and then determines your current geographical position.
Signals from at least three satellites are required to determine your position; your height above sea level can be calculated if signals are received from four or more satellites.
The Traffic Assist determines the direction and distance from the destination using a navigation computer and a digital street map held in its internal memory.
For safety reasons, route guidance **is given predominantly in spoken form.** This is supported by a direction indicator and a map display on the touch screen.

⚠ Safety instructions

- Road traffic regulations always take priority. The navigation system is only an aid. Errors may occur in individual data items/entries. At all times, the driver must decide whether or not to heed the information provided.
  We do not accept liability for erroneous data provided by the navigation system.
- When first put into use it can take up to 30 minutes to fix the position.
- Observation of traffic signs and local traffic regulations must always take priority.
- Traffic guidance is restricted to passenger vehicles. Special driving recommendations and regulations for other vehicles (e.g. commercial vehicles) are not included.
- Destinations may only be entered when the vehicle is stationary.

Selecting navigation

Navigation mode is called up from the main menu.

→ In the main menu, press **Select destination**.

The fast access function is called up.

Note:

If an address is displayed between the two rows of buttons, this means that route guidance has already been started to the displayed address.

Fast access mode

In fast access mode, the most recent destinations and saved destinations are displayed and can be selected directly. The menu for entering destinations or the function for entering addresses using speech* can also be called up using the fast access function.

Configuration of fast access mode

In fast access mode, the **Enter destination** button for calling up the menu for entering destinations and the button for entering addresses using speech* are displayed on the top line.

If you have already entered your home address, you can start route guidance to your home address in the second line.

The destination list containing the destinations most recently travelled to as well as saved destinations is displayed in the lines below this.

*Only available for the Traffic Assist Z215

The destination list

The destination list displays, line by line, all destinations available for fast dialling. If you have already entered your home address, you can start route guidance to your home address in the first line.

Each line of the destination list is divided into two fields. Each list field is in the form of a button. The destination is shown on the right-hand button and the properties of the destination are displayed using the left icon.

Note:

Up to 200 of the most recent destinations are automatically stored in the destination list. If the storage capacity is reached, the oldest destination is automatically deleted to make room for a new destination. However, important destinations can be protected.

If you select your home address and it has not yet been defined, you will be requested to enter the address.

Icons used

The following icons are used in the destination list:

Icon	Meaning
	This destination is a standard destination with no special features.
	This destination is protected. If the destination memory is full, this destination will not automatically be deleted. This can be performed manually, if required. In the case of a protected entry, you can also determine the position using the fast access function.
	This destination is the current home address.

Using fast access mode

Entering an address using speech*

Voice entry is activating by pressing the button.

You can find out how to enter an address using speech under “Entering an address using speech*” on page 44.

Start with existing destination

The destinations available in fast access mode are included in the destination list.

→ Press the button for the desired destination to start route calculation.

The calculation begins.

When the calculation is complete, the map appears and the route guidance begins.

Scrolling through stored destinations

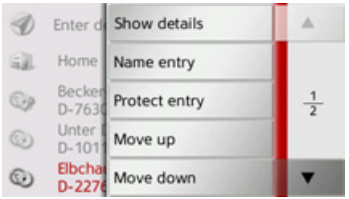
Using the ▲ ▼ buttons, it is possible to scroll through the list in the direction of the relevant arrow.

Displaying or editing a destination

Any destination stored in fast access mode can be displayed and edited.

→ Press the button to the left of the desired destination.

→ A selection menu appears.



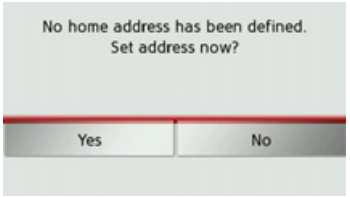
Option	Meaning
Show details	The data for the destination are displayed. From this screen you can display the destination on the map, display the route or start the route guidance.
Name entry	The destination can be renamed. If the destination is given a name it is automatically protected.
Delete entry	The destination is deleted from the fast access mode.

*Only available for the Traffic Assist Z215

Option	Meaning
Protect entry	The destination is protected against automatic deletion. This function is only available in the case of unprotected destinations.
Remove protection	Protection of the destination is disabled. This function is only available for protected destinations.
Move up	The destination is moved forwards by one position. If the destination is moved it is automatically protected.
Move down	The destination is moved back by one position. If the destination is moved it is automatically protected.
Delete all entries	All destinations (except for the protected destinations and your home address) are deleted from the list.

Home address

When you press the **Home** button you will be asked to enter an address if no home address has yet been entered.



→ Press **Yes** to enter the address.
You can then enter a destination as described under "The destination input menu" on page 37.

Note:

The menu items **Set current position** and **Select from last destinations** (fast access mode) can also be used to select a destination.

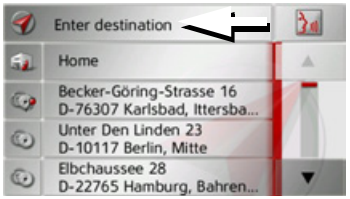
Calling up the destination input menu

The **Enter destination** button can be used to call up the destination input menu.

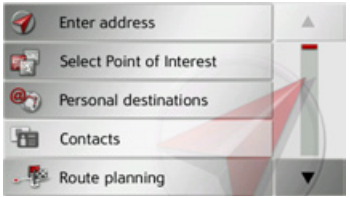
- See "The destination input menu" on page 37.

The destination input menu

If fast destination selection is not required or the planned destination is not yet included in fast access mode, you can enter a new destination using the destination input menu.



→ In fast access mode, press the **Enter destination** button at the top of the screen.
The destination input menu will appear.



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Configuration of the destination input menu

Enter address

The various steps from selecting an address to starting route guidance can be carried out using the **Enter address** button.

• See “Entering the address” on page 38.

Select Point of Interest

Points of interest such as airports and ferry ports, restaurants, hotels, petrol stations or public buildings can be selected and route guidance started using the **Select Point of Interest** button.

• See “Points of interest” on page 45.

Personal destinations

Using the **Personal destinations** button you can call up Google™ points of interest that have been imported into the Traffic Assist and start route guidance to one.

• See “Selecting a destination from Personal destinations” on page 49.

Contacts

Using the **Contacts** button you can call up Microsoft® Outlook® contacts that have been imported into the Traffic Assist and start route guidance to the address listed in the contact.

• See “Selecting a destination from Contacts” on page 50.

Select on map

With **Select on map**, you can select a destination directly on the map and start route guidance.

• See “Selecting a destination from the map” on page 54.

Enter geo-coordinates

The geographic coordinates for a destination can be entered and route guidance started via the **Enter geo-coordinates** button.

• See “Coordinate entry” on page 55.

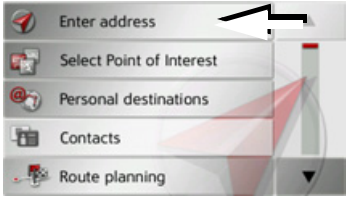
Route planning

A route with several waypoints can be planned using the **Route planning** button.

• See “Route planning” on page 51.

Entering the address

The **Enter address** button in the destination input menu opens the menu for entering addresses.



→ In the destination input menu, press the **Enter address** button.

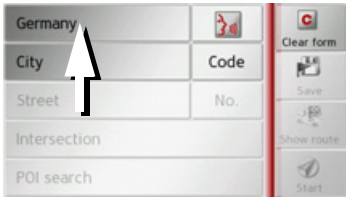
The menu for entering addresses appears.

Note:

By pressing the **Clear form** button (top right) you can delete all entered data apart from the country.

Selecting a country

You can select a country from those available using the button for the country of destination. A country is adopted automatically in the address input menu after selection. If a country of destination has already been entered it will remain until you select a different country.



→ Press the button containing the country of destination to access the country selection list.

The selection list will appear.

→ Press the button for the desired country.

Note:

If required, press the arrow keys ▲ ▼ on the right of the screen to scroll through all available countries of destination.

*The symbol indicates the countries for which an address can be entered using speech.

Selecting an address and starting route guidance

You can enter the exact destination address in the address input menu.

The following settings can be made in the address input menu:

- Town
- Postcode
- Street and house number
- Junctions as an orientation aid

It is also possible to:

- search for a point of interest near to the address entered (**POI search**). This can be entered as described under “Point of interest near to an address” on page 47,
- save the destination in fast access mode,
- show the route on the map,
- start the route guidance straight away.

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*Only available for the Traffic Assist Z215

Selecting a town

The destination can be entered by either using the name or ZIP code.

If you enter the letters of a location, the Traffic Assist displays proposals (See "Accepting proposals" on page 27.). If you do not want to accept the proposal, just enter the other letters of the location you want. The Traffic Assist excludes all impossible letter combinations and ZIP codes and activates only letter fields or numerical fields that lead to an existing location or ZIP code.

→ Select the option of entering the town or postcode.

→ Enter the letters of the destination town or the numbers of the postcode consecutively.

Note:

If two words need to be entered you must separate them with the character _.

When sufficient letters have been entered it will automatically switch to a list from which you can select the town. However, you can switch to the list before this by pressing the >300 button.

Note:

If you have entered a postcode, the name of the town will be hidden in the input menu to start with. If you then enter the street name, the name of the town will then also be displayed.

Using the town list

Once a few letters of the desired town have been entered you can display a list of all the towns with the relevant letter combinations or this list will be displayed automatically.

→ Press the >300 button on the right of the screen to call up the list.

You can scroll through the displayed list using the ▲ ▼ buttons.

→ Press the button for the required town.

Selecting the street

In the **Street** menu field the street and house number can be entered separately using a letter and number field.

The Traffic Assist excludes all impossible letter combinations and activates only those letters that could give an existing street name.

A house number can only be chosen once the street has been selected and if house numbers are included in the data.

→ Enter the letters of the destination street consecutively.

When sufficient letters have been entered it will automatically switch to a list from which you can select the street. However, you can switch to the list before this by pressing the >300 button.

Using the street list

Once a few letters of the desired street have been entered you can display a list of all the streets with the relevant letter combinations or this list will be displayed automatically.

→ Press the >300 button on the right of the screen to call up the street list.

You can scroll through the displayed list using the ▲ ▼ buttons.

→ Press the button containing the desired street.

Selecting the Intersection

After entering the destination town and street, you can enter a junction so as to further limit the choice.

Note:

Instead of entering a junction, you can also enter a house number. However, it is not possible to enter both at the same time.

→ Press the **Intersection** button.

The input menu for the name of the junction will appear.

→ Enter the name of the junction.

Once a few letters of the desired street have been entered a list will automatically be displayed.

→ Press the button for the desired street.

Selecting a house number

After entering the destination town and street, you can enter a house number so as to further limit the choice.

Note:

Instead of entering the house number, you can also enter a junction. However, it is not possible to enter both at the same time.

→ Press **No.**

The input menu for the house number will appear.

→ Enter the house number and then press the OK button.

Displaying the route

Once the address has been entered, the address input menu allows the route to the destination to be displayed on the map.

→ Press the **Show route** button to display the route on the map.

The route is calculated.

You can start the route guidance directly from this screen using the **Start** button.

The other options on this screen are described under “Displaying the entire route” on page 85.

Storing a destination

In the address input menu, the **Save** button opens a menu where a name can be entered for the specified destination.

If the desired name has been entered and OK has been pressed to accept it, the destination is transferred to fast access mode and protected.

Starting navigation (trace)

The **Start** button starts the route guidance.

All data entered thus far is processed when calculating the route.

→ Press **Start** to start the route guidance.

Fast route is being calculated using historical traffic data (Traffic Patterns):
Unter Den Linden 23
D-10117 Berlin, Mitte

The route is calculated. The map will then be displayed and the route guidance will begin.

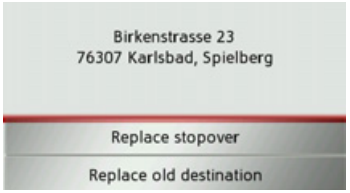
Note:

The symbols above the progress bar refer to restrictions that you may have activated (e. g. unpaved roads, toll roads).
The symbol next to the progress bar indicates that the time-dependent route guidance described in "The Route options button" on page 57 is active.

If the route guidance is already running you will be asked whether the new destination should replace the old destination or if the new destination should be regarded as a waypoint.

→ Select **Add as stopover** or **Replace old destination**.

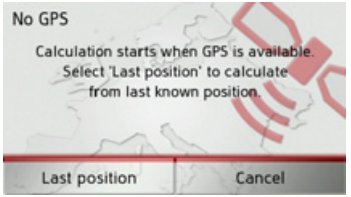
If the route guidance is already running and a waypoint has already been entered you will be asked whether the new destination should replace the old destination or the waypoint.



→ Select **Replace stopover** or **Replace old destination**.

Note:

If there is no GPS signal when the route is calculated, the following will be displayed:



When a GPS signal is available, the route calculation will start automatically.
When the **Last position** button is pressed, the last known position is used and the route calculated from this position.

→ D
→ GB
→ F
→ I
→ E
→ P
→ NL
→ DK
→ S
→ N
→ FIN
→ TR
→ GR
→ PL
→ CZ
→ H
→ SK

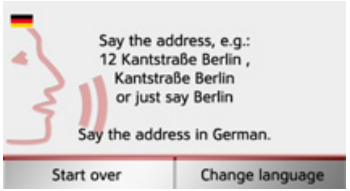
Entering an address using speech*

You can start address entry using speech from the fast access function or from the menu for entering addresses by pressing the button.

Notes:

- Only one address can be entered using the voice entry function. Lists for more precise selection cannot be operated using speech.
- The destination country cannot be entered using speech.
- The symbol in the list of countries indicates the countries for which address entry using speech is possible. If entry using speech is not possible, the button will be displayed greyed out.
- An address and the street number must be spoken in the language of the destination country.

After pressing the button, a menu that shows you how to say an address will be displayed.



You can say the address as soon as you see the lines next to the stylised face.

Notes:

- If a number of languages are spoken in the destination country (as is the case in Switzerland, for example), you can set another language by pressing the **Change language** button.
- You can say the complete address or just a part of it.
  Possible entries include:
  - street number - street - Town
  - street - Town
  - Town

→ Say the address.

If your entry is unique, after a short time the menu for entering addresses will be displayed with your entry filled in.

If the address displayed does not match the address you said, you can make appropriate changes.
If the address is correct, you can start route guidance, display the route or store the address as described on page 42.

*Only available for the Traffic Assist Z215

If your entry was not unique or the Traffic Assist was not able to uniquely assign your entry, you will be shown appropriate lists. You can then select the address you want from these lists.
Depending on your entry, lists with town names, lists with street names or combined lists with town and street names can be displayed.

Note:

Voice entry can be restarted at any time in the lists by pressing the button.

The following example shows a list in which a town can be selected.

Entries identified with the symbol open up a further list when they are selected. This can be necessary if, for example, the same town name occurs a number of times in the set country.

Once you have selected the town or street you want in the lists, the menu for entering addresses is displayed after a short time with your entry filled in.
You can then start route guidance, display the route or store the address as described on page 42.

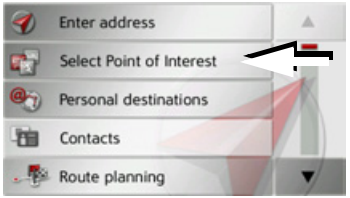
Points of interest

Points of interest (POI) are included in the map and can be displayed there. Points of interest include airports and ferry ports, restaurants, hotels, petrol stations, public buildings. You can use points of interests as navigation destinations.

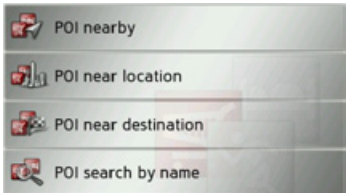
Note:

You can only select points of interest in the area in question if the GPS reception is adequate for determining a position. Otherwise, the last position stored will be used.

→ Press **Enter destination** in the fast access menu.



→ Press the **Select Point of Interest** button.



You can choose between:

- a point of interest in the vicinity,
- a point of interest near to an address,
- a point of interest near to a destination, or
- entering a point of interest directly.

Point of interest in the vicinity

→ Press the **POI nearby** button.

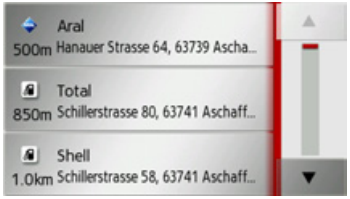
Press the arrow keys ▲ ▼ to scroll through the list displayed.
→ Select one of the available categories.

Note:

You can also press the **All categories** button. An input menu will then open and you can enter the name of a point of interest directly and confirm it.

For some categories, e.g. petrol stations, a further selection menu is displayed in which you can narrow down the choice further, e.g. by brand.

If you have selected the category, any points of interest belonging to the relevant category and available within the area in question will now be displayed.



The name, distance as the crow flies and the address is displayed for each entry.
→ Select the desired point of interest.

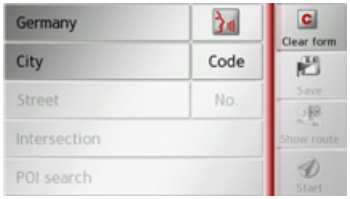
You will now receive additional information about your chosen destination.
→ Press the **Start** button to begin route guidance to the point of interest directly.

In addition, the selected point of interest can be:

- displayed on the map (**On map**),
- saved in fast access mode (**Save**),
- used for displaying a route to the POI (**Show route**),
- if a telephone is connected and a phone number is available by pressing the button with the symbol.

Point of interest near to an address

→ Press **POI near location**.



→ Select the desired country.

→ In the **City** or **Code** field, enter the town where you wish to search for a point of interest.

Note:

If you have already entered an address, this address will appear by default.

→ Press the **POI search** button.

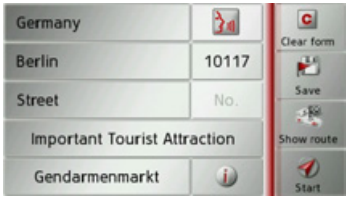
→ Press the **Select category** button.

Note:

You can also press the **Select POI** button. An input menu will then open and you can enter the name of a point of interest directly and confirm it.

The points of interest categories available for the entered town are displayed.

→ Select the desired point of interest as described under "Point of interest in the vicinity" on page 46.



→ Press the **Start** button to begin route guidance to the point of interest straight away.

However, you can also store your chosen point of interest in fast access mode (**Save**) or display the route to the point of interest (**Show route**).

Press the button next to your chosen point of interest to display any additional information about the destination.

Point of interest near to destination

→ Press the **POI nearby** button.

The categories available near to the destination are displayed.

→ Select the desired point of interest as described under "Point of interest in the vicinity" on page 46.

Entering a point of interest directly

→ Press the **POI search by name** button.

→ Enter the desired point of interest or part of the name.

→ Press the OK button.

The Traffic Assist displays in a list all the points of interest corresponding to the name entered.

Note:

The search radius is limited to 50 kilometers from your current position.

→ Select the desired destination from the list.

You will now receive additional information about your chosen destination.

→ Press the **Start** button to begin route guidance to the point of interest straight away.

However, you can also display your chosen point of interest on the map (**On map**), store it in fast access mode (**Save**) or display the route to the point of interest (**Show route**).

Calling telephone numbers for points of interest

You can dial directly telephone numbers specified in the information on a point of interest

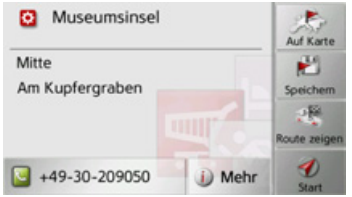
The prerequisite here is that a cell phone is connected via Bluetooth with the Traffic Assist.

→ Press the button with the symbol shown at the bottom of the point of interest information screen.

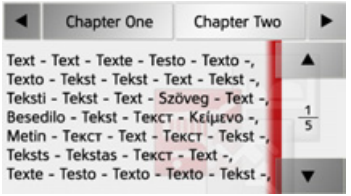
The call will be initiated.

Additional point of interest information

Any additional information that is provided for a point of interest can also be displayed.



To display the additional information, press the **More** button shown at the bottom of the point of interest information screen.


Chapter One
Chapter Two
Text - Text - Texte - Testo - Texto -,
Texto - Tekst - Tekst - Text - Tekst -,
Teksti - Tekst - Text - Szöveg - Text -,
Besedilo - Tekst - Текст - Κείμενο -,
Metin - Текст - Text - Текст - Tekst -,
Teksts - Tekstas - Текст - Text -,
Texte - Testo - Texto - Texto - Tekst -,
1
5

You can scroll through the displayed text using the arrow buttons shown.

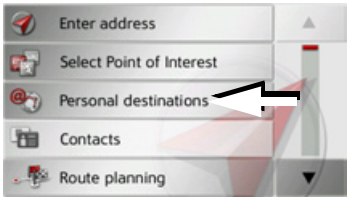
Selecting a destination from Personal destinations

You can call up Google™ points of interest that have been imported into the Traffic Assist and start route guidance to one.

Note:

To display custom Google™ points of interest, the Google™ KML files must be stored in the **iGO8\content\userdata\mydest** directory of the Traffic Assist.

→ Press the **Enter destination** button in fast access mode.



→ Press the **Personal destinations** button.

A list of the available destinations will be displayed.

Press the arrow buttons ▲ ▼ to scroll through the list displayed.

Note:

If the list contains numerous entries, it may be a good idea to search for the desired destination by selecting **Search entry** and using the input menu.

A maximum of 1000 destinations can be imported.

Newly imported destinations are filed at the start of the list.

→ Select the desired destination.

Route guidance to the selected destination will be initiated.

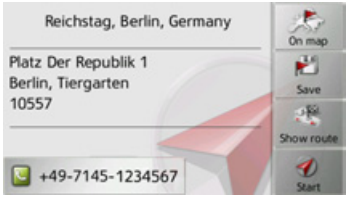
Editing Personal destinations

→ In the list of your own destinations, press the button in front of the destination that you wish to edit.

Select **Delete entry** if you wish to delete the destination from the list.

Select **Delete all entries** if you wish to delete the entire list.

Select **Show details** if you wish to display details about the destination.



Press the **Start** button to begin route guidance to the destination straight away.

You can also display your chosen destination on the map (**On map**), store it in fast access mode (**Save**), display the route to the destination (**Show route**) or call the number if a telephone is connected and a phone number is available by pressing the button with the symbol.

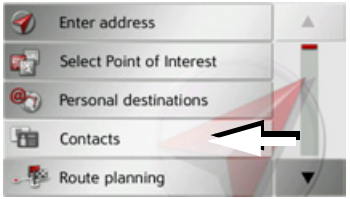
Selecting a destination from Contacts

You can call up Microsoft® Outlook® contacts that have been imported into the Traffic Assist and start route guidance to one.

Note:

The Microsoft® Outlook® contacts are imported via the Content Manager.
Up to 2000 contacts can be imported.

→ Press the **Enter destination** button in fast access mode.



→ Press the **Contacts** button.

An input menu appears if there are more than 10 contacts. If there are fewer than 10 entries, a list of contacts is displayed straight away.

→ Select the first letter of the desired entry in the input menu.

→ Press the OK button when the desired name is displayed in the top line.

If there are 5 or fewer entries available with the letter combination entered, a list containing these entries will automatically be displayed.

Note:

You can also have a list corresponding to the entered letter combination displayed before then. To do so, press >300 in the input menu.

→ Select the desired entry from the list.

Press the **Start** button to begin route guidance to the address displayed for this contact straight away.

You can also display the address shown for the contact on the map (**On map**), store it in fast access mode (**Save**), display the route to the destination (**Show route**) or call the number displayed if a phone number is provided (button with the symbol).

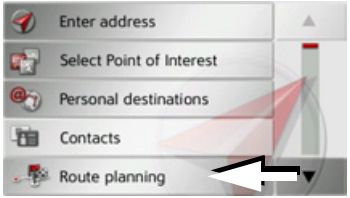
If there are a number of addresses provided for the chosen contact, you can select one of them after pressing the button (1).

If there are a number of phone numbers provided for the chosen contact, you can select one of them after pressing the button (2).

Route planning

The route planning menu allows you to create and select individual routes. To do this, enter the individual destination points for the desired route. It is then possible to travel to these points consecutively without having to enter any further information. You can also optimise the destination points entered and in so doing change their order.

→ Press **Enter destination** in fast access mode.



→ Press the **Route planning** button.

In the route menu you can create a new route by pressing the **Create new route** button. Previously stored routes are shown in a list below this.

Note:

If no routes have yet been stored, the route menu is empty.

Scrolling through stored routes

→ Press the arrow keys ▲ ▼ on the right of the screen to scroll through the stored routes.

Editing stored routes

You can add additional stages to a stored route, change the name of the route or delete it.

→ Press the button in front of the route you wish to edit.

By pressing **Add stage** you can now add a stage to the route.

After pressing **Rename route** you can give the route a new name.

Pressing **Delete route** will allow you to delete the route from the stored routes.

Selecting and starting a route

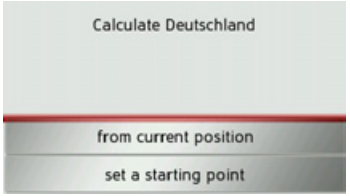
→ Press a route to select it.

The route is loaded and displayed in the stage menu.

→ Press the top button.

Note:

You can also select a leg of the route. The route is started as of this leg.



→ Select the start point or your current position as the start point for route guidance.

Note:

If a start point is selected, this is only used to view a route.

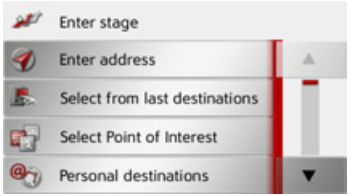
The individual stages are calculated.
A map of the stages will then be displayed.

→ Press the **Start** button to start guidance for this route.

You can call up the route options using the **Options** button.
You can optimise the order of the destinations to be travelled to by pressing the **Optimise** button.
By pressing the ▶ or ▶▶ button you can simulate the entire route quickly or slowly. You can stop the simulation by tapping the screen.
You can use the ◀ and ▶ buttons in the bottom line to scroll through the individual stages in the route. As you scroll, each stage is shown.

Creating a new route

→ In the route menu, press **Create new route**.



You can now enter an intermediate destination as described under "The destination input menu" on page 37 (**Enter address**, **Select Point of Interest Personal destinations**, **Contacts**, **Select on map** or **Enter geo-coordinates**). You also have the option of quickly selecting a destination using the **Select from last destinations** button.

→ In the input menu, press the **Add** button to accept the relevant intermediate destination.

→ Press **Add stage** to enter further intermediate destinations as described above.

→ When you have entered all intermediate destinations, press the **Done** button.

→ Give the route a name of your choice. The stage menu for the new route will be displayed.

Editing a route

→ Select the route you wish to edit.

→ Press the button in front of the stage you wish to edit.

The edit menu will be displayed. The following options are available:

Option	Meaning
Show details	The data relating to the intermediate destination is displayed. From this screen, you can display the intermediate destination on the map.
Move up	The stage is moved forwards by one position.
Move down	The stage is moved backwards by one position.
Delete stage	The stage is deleted from the route.
Replace stage	You can replace the selected stage with another intermediate destination.

→ D
→ GB
→ F
→ I
→ E
→ P
→ NL
→ DK
→ S
→ N
→ FIN
→ TR
→ GR
→ PL
→ CZ
→ H
→ SK

Optimising a route

If you have entered several destinations for a route, you can use the Traffic Assist to optimise the order of the destinations for the journey distance. The route stored is retained even after optimization, however. Call up the map display for the stages of the route.

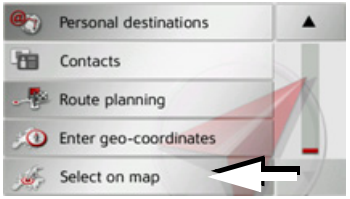
→ Press **Optimise**.
The route is optimised and recalculated.

The optimised route is displayed.

Selecting a destination from the map

You can select a destination straight from the map.

→ Press **Enter destination** in fast access mode.



→ Press the **Select on map** button.
The map display appears.

Note:

You may need to make the area larger using the zoom buttons + and − in order to find the desired point. You can also move the map to the desired point.

→ Press the desired point lightly on the surface of the screen.
A flashing red cross will be displayed at this point.

Note:

By pressing the **Back to GPS** button you can display your current position again.
You can block the road for route guidance as described under “The Blocked roads button” on page 67 by pressing the **Block** button.

→ Press the **Details** button.

Where available, the address of your chosen point is displayed.

→ Press the **Start** button to begin route guidance to your chosen destination straight away.

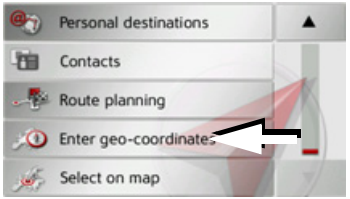
You can also search for points of interest in the vicinity of your chosen point using the **POI nearby** button.

However, you can also store your chosen point in fast access mode (**Save**) or display the route to the point of interest (**Show route**).

Coordinate entry

You can also enter your destination using geographic coordinates.

→ Press **Enter destination** in fast access mode.



→ Press **Enter geo-coordinates** in the navigation menu.

→ Using (2) select the value you wish to change.

→ Using the two buttons indicated by (1) select the direction required for the geographic longitude and latitude (east/west or north/south).

→ Then enter the desired values using the buttons 1 to 0.

You can enter coordinates in three different ways.

The following formats can be used:

- Degrees Minutes Seconds.Decimal seconds e.g. 42°52'46.801"
- Degrees Minutes.Decimal minutes e.g. 48° 53.56667'
- Decimal degrees e.g. 48.89277778

Notes:

- The coordinates entered must correspond to WGS84 (World Geodetic System 1984).
- If you press button (3) your current geographic position will be entered into the fields.

→ Press the OK button.

Where possible, an address matching the coordinates will be displayed. You can view the destination on the map, store it, display the route to the destination or start the route guidance straight away.

Navigation settings

The navigation settings contain all the settings that are relevant to the navigation functions.

Note:

All your settings must be confirmed by pressing the **OK** button. Using the button, you can exit the current menu at any time without having changed anything.

→ In the main menu, press **Settings**.

→ Press the **Navigation settings** button.

This will take you to the navigation settings menu.

Configuration

Various pages containing functions are available in the menu:

You can go to the next or previous page of the settings by pressing the ▲ and ▼ buttons.

The Guidance info button

In the **Guidance info** settings window you can select which additional information you would like displayed during route guidance.

→ Press the **Guidance info** button in the settings menu.

The **Guidance info** settings window appears.

The following settings are available:

Setting	Meaning
Lane info	When this function is enabled, a small arrow indicates which lane you should move into in the case of multi-lane roads.

Setting	Meaning
Signposts	When this function is enabled, you will also receive information at motorway intersections regarding the road signs which you should follow.
Country info	When this function is enabled, you will automatically receive generally applicable traffic information for the relevant country when you cross a national border (e.g. speed limits).
Junction View	If this function is activated, you will see realistic views of the current lane situation, if available, at many motorway intersections.

Note:

This information can only be displayed if it is contained in the map material.

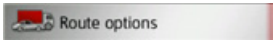
→ Press the relevant button to switch the required function on ☑ or off ☐.

→ Confirm your selection by pressing the **OK** button.

The Route options button

You can edit your driving profile in the **Route options** settings window. The settings made here have an effect on the route selection and on the calculation of the estimated journey times.

→ Press **Route options** in the settings menu.



The **Route options** settings window appears.

→ Select the mode of travel after pressing the button next to **Vehicle**.

This setting affects the calculation of the estimated time of arrival and for the setting 'bicycle', for example, it blocks the motorway.

→ After pressing the button next to **Route type** select one of the following options.

Option	Meaning
Economical route	With this option, the most economical route in terms of travel time and mileage is calculated taking into consideration further parameters such as gradients, for example.
Fast route	With this option, the fastest route in terms of travel time is calculated.
Short route	With this option, the shortest route in terms of mileage is calculated.
Easy route	With this option, a route with as few manoeuvres as possible is calculated. This may result in large detours.

Time-dependent route guidance

If this function is switched on ( ), information (statistical information) on the possible speed on certain segments at certain times of the day is also taken into account in the route calculation, provided this is available (currently only in Germany, France and United Kingdom). This provides a more accurately calculated arrival time and may even result in a different route being selected.

Avoiding particular types of road

After pressing the button next to **Avoid** you can exclude various types of road, e.g. **motorways**, **ferries** and **toll roads**, from the route calculation.

You can set one of the following options for each of these road types.

Option	Meaning
Permitted	With this option, the road type in question is included in calculating the route.
Avoid	With this option, the road type in question is avoided where possible.
Prohibited	With this option, the road type in question is not included in calculating the route.

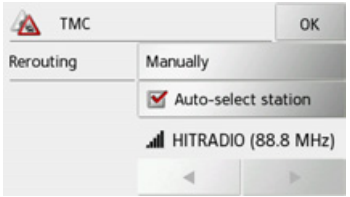
→ Confirm your selection by pressing the **OK** button.

The TMC button

You can configure settings for the reception of traffic announcements in the TMC settings window.

→ Press **TMC** in the settings menu.

The TMC settings window appears.



Setting	Meaning
Auto-select station	Choose whether to run an automatic search for the station with the best reception (function switched on ☑).
◀ ▶	Press the arrow buttons to activate the automatic station search. The currently tuned TMC station is displayed in the adjacent field. This can only be set if the **Auto-select station** function is switched off.

Setting	Meaning
Rerouting	This button allows you to choose whether the route change should be made **Never**, **Automatically** or **Manually**. (See "Taking announcements into consideration when calculating routes" on page 71.) The setting **Never** is equivalent to switching off the TMC function.

→ Confirm your settings by pressing the **OK** button.

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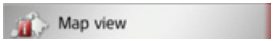
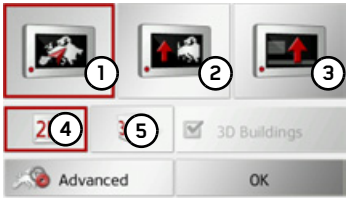
The Map view button

You can select whether the map is to be displayed in 3D or 2D mode, in a split screen with 3D or 2D display or in arrow mode.
You can also select whether or not 3D buildings available in towns should be displayed in 3D mode.
Further setting options are available to you in the extended settings.

→ Press the **Map view** button in the settings menu.



The **Map view** settings window appears.



→ Press the button (4) or (5) to select whether to use 2D or 3D mode.
→ Press the button (1) to select the entire map.

→ Press the button (2) for a split screen.

→ Press the button (3) for arrow mode.

Switching 3D buildings on/off

You can select whether or not 3D buildings available in towns should be displayed in 3D mode.

Note:

This function is only available in 3D mode.

→ Press the **3D Buildings** button in the map mode menu and turn the function on ☑ or off ☐.

Map with 3D buildings activated.

→ Confirm your setting by pressing the **OK** button.

To call up the extended settings, press the **Advanced** button.

The following setting options are available in the extended settings:

- **Auto zoom**
  You can select how the map changes when approaching an action point or at different speed.
- **Select POI categories**
  You can select which symbols are displayed for points of interest on the map.
- **Street names 2D/Street names 3D**
  You can select whether the street names should be displayed (☑) or not (☐) in 3D or 2D mode.
- **2D heading up**
  You can select whether the map should always be orientated to the direction of travel (☑) or to the north (☐) in 2D mode.

Autozoom

→ Press the **Auto zoom** button in the extended settings.

Pressing the **Auto zoom** button switches the zoom function on (☑) or off (☐). When the zoom function is switched on, you can select whether the autozoom action should be weak, medium or strong.

Setting POI categories

You can select which POI symbols are to be displayed on the map.

→ Press the **Select POI categories** button in the extended settings.

Selecting **Show all POIs** displays all points of interest on the map.

Selecting **Show no POIs** displays no points of interest on the map.

Selecting **User defined selection** and then pressing the **Select POIs** button allows you to determine for yourself in the menu which then appears whether each individual points of interest category is displayed or not.

→ You can then switch the display of entire categories on ( ) or off ( ).

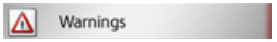
After pressing the button beside a category you can switch subcategories in further menus on or off.

→ Confirm all your settings by pressing the **OK** button.

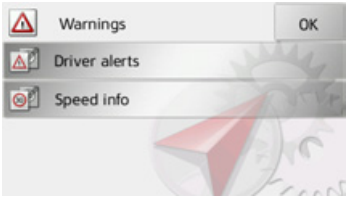
The Warnings button

In the **Warnings** settings window you can select which warnings are to be displayed by the Traffic Assist or which warnings are to be output.

→ Press the **Warnings** button in the settings menu.



The **Warnings** settings window appears.



The following setting options are then available:

- **Driver alerts**
  You can have signs displayed, for example for dangerous curves or steep gradients, provided this information is stored in the map data.

- **Speed info**
  You can select whether speed limits are displayed in parallel to the navigation. You can also receive an audible warning about exceeding the speed limit.
- **Danger spots***
  You can receive a warning about danger points such as permanent speed checks.

Note:

There is no standardised rule in Europe on the use of this function (warning about speed checks). Please check the legal situation in the respective country.
In Germany, for example, it is an offence to use this function while driving.

The Driver alerts button

You can have signs displayed, e.g. for dangerous curves or steep gradients, provided this information is stored in the map data. In addition, you can define whether the display of the sign is also to be accompanied by a warning sound.

→ Press the **Driver alerts** button in the settings menu.

The **Driver alerts** settings window appears.

The available signs are divided into 4 categories. The four categories can be enabled ☑ or disabled ☐ individually.
The warning sound can be set individually for each of the four categories by pressing the symbol with the bell (warning sound switched on).

The following signs are available in the individual categories:

- **Curve warnings**
  This category includes warning signs that relate to sharp curves.
- **General warnings**
  This category includes all other warning signs, such as steep gradients, falling rocks.
- **Traffic regulations**
  This category includes other traffic regulations, such as no passing zones.
- **Informatory road signs**
  This category contains the available information signs.

→ Confirm your settings by pressing the **OK** button.

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*Function can be retrofitted

The Speed info button

The **Speed info** settings window allows you to display speed limits parallel to the navigation. You can also be warned against exceeding the speed limit by an acoustic warning.

Note:

This information can only be displayed if it is contained in the map material.

⚠Danger!

The information in the map material may be incorrect as a result of short-term changes (road works, for example). The traffic situation and the local road signs take precedence over the navigation system information.

→ Press **Speed info** in the settings menu. The **Speed info** settings window appears.

The following settings are available.

To select settings always press the field next to the setting that you wish to change.

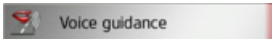
Setting	Meaning
Show signs	Select whether speed limits are never displayed, always displayed or only displayed if the limit is exceeded.
In city	Select the amount over the speed limit at which you would like to receive an acoustic warning within built-up areas.
Out of city	Select the amount over the speed limit at which you would like to receive an acoustic warning outside built-up areas.
Conditional speed limits	Select whether you would like to receive an acoustic warning with regard to speed limits which only apply during rainy or snowy conditions, or at particular times (function switched on).

→ Confirm your selection by pressing the **OK** button.

The Voice guidance button

In the **Voice guidance** settings window you can make settings relating to the voice guidance of the Traffic Assist.

→ Press the **Voice guidance** button in the settings menu.



The **Voice guidance** settings window appears.

The following setting options are then available:

- **Voice**
  You can select the voice that will make the navigation announcements for the language that has been set.
- **Volume**
  You can select the standard volume for voice announcements for each start of the Traffic Assist, or switch off voice announcements completely.
- **Announce streets**
  Using the **Announce streets** button you can switch the announcement of the names of streets into which you are to turn on (☑) or off (☐).

Note:

This function is not available for all languages/voices. If the function is not available, the button cannot be selected.

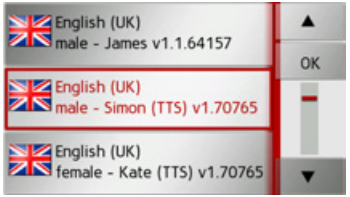
- **Announce ETA**
  Using the **Announce ETA** button you can switch the automatic announcement of the estimated time of arrival on (☑) or off (☐).

The Voice button

In the **Voice** settings window you can set the voice that will make the navigation announcements for the language that has been set.

→ Press **Voice** in the settings menu.

The **Voice** settings window appears.



→ Select the desired voice.

Note:

Voices with a (TTS) tag support the text-to-speech function (e.g. announcing roads and reading out text messages).

A short example announcement is given.

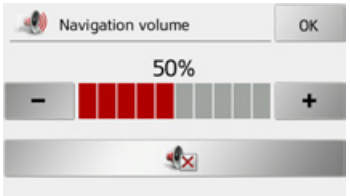
→ Confirm your selection by pressing the **OK** button.

The Volume button

With the **Volume** settings window, you can set the standard volume for voice announcements for each start of the Traffic Assist, or switch off voice announcements completely. Depending on the situation, this setting can be fitted into the map display.

→ Press **Volume** in the settings menu.

The **Volume** settings window appears.



→ Select the desired volume using the – and + buttons.

→ Press the button to switch off the voice output completely.

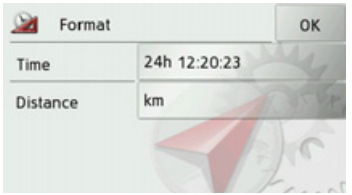
→ Confirm your settings by pressing the **OK** button.

The Format button

In the **Format** settings window you can set the measurement units to be used for times and distances.

→ Press **Format** in the settings menu.

The **Format** settings window appears.



Press the field next to **Time** to switch between the 12 hour clock and the 24 hour clock.

Press the field next to **Distance** to switch between kilometres and miles.

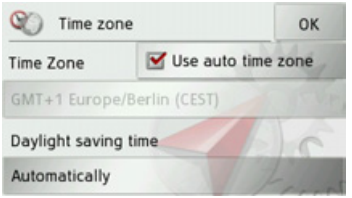
→ Confirm your settings by pressing the **OK** button.

The Time button

You can select the time zone relevant for your location in the **Time** settings window. This setting is important for the correct calculation of the estimated time of arrival.

→ Press **Time** in the settings menu.

The **Time** settings window appears.



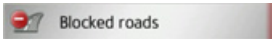
Using the button next to **Time zone** you can set whether the time zone should be set automatically by Traffic Assist or not (automatic mode on automatic mode off).

If the automatic function is switched off, you can select the desired time zone by pressing the button below **Time zone**.
Pressing the button below **Daylight saving time** allows you to select whether daylight saving time should be set automatically by Traffic Assist or whether you switch daylight saving time on and off yourself.

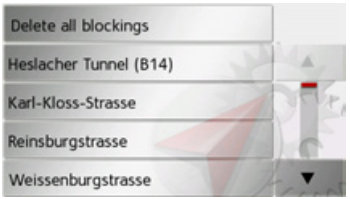
The Blocked roads button

In the **Blocked roads** settings window you can unblock previously permanently blocked roads (See "Blocking route sections/roads" on page 85.) or modify the block (time and days of week of block).

→ Press the **Blocked roads** button in the settings menu.

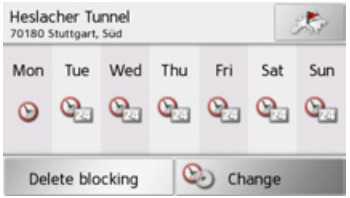


A window is displayed containing the roads that have previously been blocked.



Note:
To delete all blocked roads from the list, press the **Delete all blockings** button followed by the **Yes** button in the display that then appears.

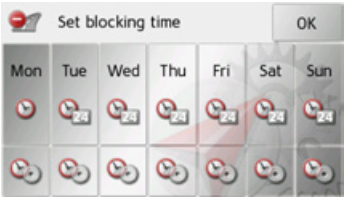
→ Select the blocked road you want.



→ Press the **Clear form** button to delete the road from the list.

or

→ Press the **Change** button to modify the block.

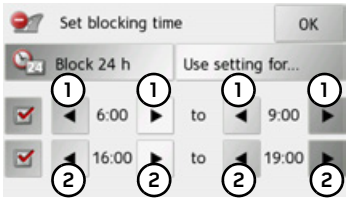


You can now set whether or not the road should be blocked for each day of the week.

→ Press the buttons with the days on which the road should not be blocked (the clock symbol under the day disappears).
→ Confirm your settings by pressing the **OK** button.

or

→ Press the button under one of the days and set up to two times when the road should be blocked.



→ Using the buttons (1) set the first period when the road is to be blocked on this day.
→ Using the buttons (2) set the second period when the road is to be blocked on this day if necessary.

Note:

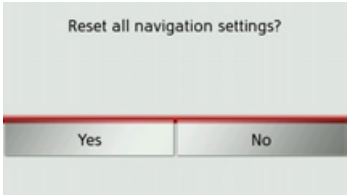
Press the **Block 24 h** button to set a block for an entire day.
Press the **Use setting for...** button to also use the block on other days.

→ Confirm your settings by pressing the **OK** button.

The Reset button

You can reset the navigation settings to their factory settings.
The settings will then be reset. The fast access mode data, stored routes, blocked routes, voice and home address are retained.

→ Press the **Reset** button.



→ Press the **Yes** button.
The navigation settings are reset to their factory settings.

Traffic announcements using TMC

Your Traffic Assist can receive traffic announcements (TMC announcements) from radio stations. The TMC antenna and the power supply need to be connected to the carrier plate for this.

Note:

TMC is not available in all countries (currently only Belgium, Germany, Denmark, France, Italy, the Netherlands, Austria, Sweden, Switzerland and Spain). *You can receive traffic announcements via TMCpro in Germany.

Traffic announcements are transmitted by radio stations via the TMC (Traffic Message Channel) in addition to the radio programme and are received and analysed by the navigation system. Receiving traffic announcements is free of charge.

Note:

As the traffic announcements are transmitted by radio stations, we cannot assume responsibility for the completeness or accuracy of the announcements.
Austria: The location and event code was made available by ASFINAG and BMVIT.

The Traffic Assist constantly checks whether there are any relevant announcements for the route that has been set. All traffic problems that have been received are shown on the map.
If the continuous checks determine that a traffic announcement is relevant to route guidance, the unit can automatically recalculate a new route to the destination (See “The TMC button” on page 59.)

Displaying TMC messages on the map

Current TMC messages are displayed on the map graphically. Sections of the route where there are traffic problems are highlighted blue. Arrows indicating the traffic direction which is affected by the traffic problem continue to be displayed.

In addition to the coloured mark, a warning sign is displayed on the stretch of road affected.

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*Can be retrofitted for the Traffic Assist Z213 via the Content Manager.

Using TMC

Once you have connected the Traffic Assist to the carrier plate and the TMC antenna is connected, your Traffic Assist will receive up-to-date traffic announcements and dynamic route calculation will be enabled (traffic jam diversion). You can also view traffic announcements directly.
Settings for TMC can be made as described under "The TMC button" on page 59.

→ In the main menu, press **TMC**.

The message list appears.

You can scroll through the list using the arrow keys ▲ ▼ on the right-hand edge of the screen.

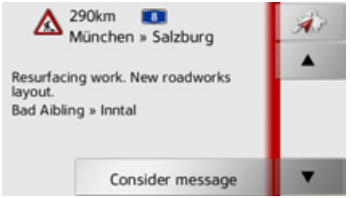
The following is displayed for each traffic announcement:

① The type of problem and the distance as the crow flies from the current position
② The road number (motorway, A-road or district road) and the section of road with traffic direction
③ The duration of the problem

If a TMC message lies on your route, the message is indicated by the sign ⚠.
Traffic announcements received via TMCpro are identified with the TMC symbol on the Traffic Assist Z215.

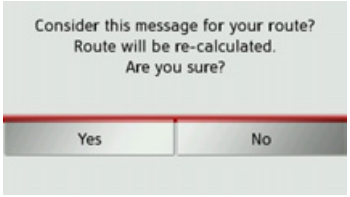
Reading a message

→ Press on the desired message in the list.
The message display appears.



→ Press the arrow buttons ▲ ▼ to scroll in the messages.
→ Press the ↩ button to return to the message list.

If a message lies on your route as shown in the example, by pressing the **Consider message** button you can process this message.



If you wish to recalculate the route, press the **Yes** button.
The route is recalculated and, if possible, a detour is calculated.
If you wish to cancel the change, you can call up the relevant message again and then press the **Ignore message** button.
Another prompt will appear, which you must reply **Yes** to. The route is then recalculated without taking into account the message in question.

Display the relevant road in the map

→ Press the button in the message display.
The relevant road can be seen in the map.

By pressing the **List view** button you can return to the message display.
You can use the ◄ and ► buttons in the bottom line to scroll through all the messages in the message list and show them on the map.
Using the **Consider** button you can determine for each message whether the stretch of road to which the message relates will be avoided in the route calculation.
If you have blocked a stretch of road (**Consider**) you can remove this block by pressing the **Ignore** button.

Taking announcements into consideration when calculating routes

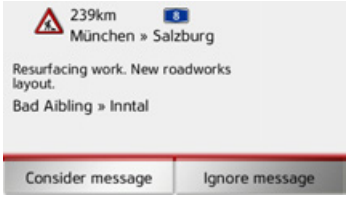
Your Traffic Assist can take traffic announcements into consideration when calculating a route. You have the option of setting this function to automatic, manual or never under “The TMC button” on page 59.

Automatic recalculation

If the traffic on your route is obstructed, the Traffic Assist checks whether an expedient detour of the obstruction is possible. If an expedient detour is possible, then an alternative route is calculated and you are guided via the alternative route.

Manual recalculation

If a traffic announcement affects your route, a window with detailed information on the traffic announcement appears.



If you wish to calculate a detour around the traffic problem, press **Consider message**, or alternatively **Ignore message**.

Note:

When you select **Consider message**, then an alternative route is not generally calculated. This only occurs if it is expedient with regard to saving time and the distance to be driven.

You can change the setting selected again at any time in the message list.

If after the selection of **Consider message** the Traffic Assist determines that an expedient alternative route is possible, the following display appears.

Note:

This display may also appear if, for instance, a previously obstructed route is now free again.

The display provides you with an overview of the alternative route calculated.
The red route or route marked blue for an obstruction shows the previous route. The route marked yellow displays the alternative route calculated.
In the right section of the display, you can see how much the route changes and how much time you will likely save if you use the alternative route.

→ Now press the button, to use the alternative route or the button to keep the previous route instead.

The map display

The map display is used primarily for route guidance. However, you can also use the map display without route guidance to show your current position and, for example, to receive warnings about exceeding the speed limit.

Calling up the map display

The map display is called up automatically when you start route guidance.
Without route guidance, you can call up the map display from the main menu.

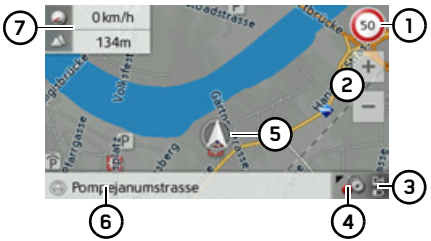
→ In the main menu, press **Show map**.

The map display will then appear and, if GPS reception is available, will show your current position.
If route guidance is already active, the map will be displayed with route guidance.

Structure of the map display

The structure depends on the settings made in “Switching the map mode” on page 81 or in “The Map view button” on page 60 and whether route guidance is active or not.

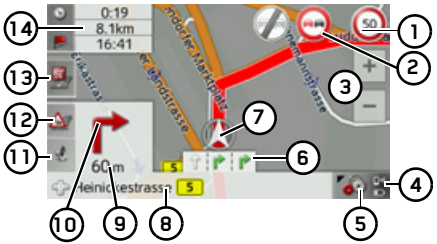
Map display without route guidance



If the navigation is not active, almost the whole area of the touch screen will be taken up by the map.

1. Speed limit on the road currently being driven on (display not available for all roads), signs for the driver alerts will also be displayed
2. Zoom buttons
3. Power level/telephone status
4. Button for calling up the options
5. Vehicle position
6. Current road
7. Information box (if displayed) showing vehicle speed and altitude above sea level

Map display with route guidance



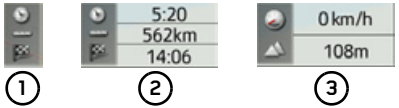
1. Speed limit on the road currently being driven on (display not available for all roads)
2. Driver alerts
3. Zoom buttons
4. Power level/telephone status
5. Button for calling up the options
6. Traffic lane recommendation (only appears on some multi-lane roads; green arrows = recommended lanes)

Note:
Following the traffic lane recommendations allows you to perform the next driving manoeuvre without changing lanes.

7. Vehicle position
8. Current road, or road to which the next driving manoeuvre leads
9. Distance to next driving manoeuvre
10. Next driving manoeuvre
11. Calls up volume settings
12. Displays TMC messages for the route
13. Displays POIs along the route
14. Estimated time of arrival, remaining journey time and remaining distance to the destination or, if displayed, vehicle speed and altitude above sea level

Your current position is displayed on the map via the position icon.

During route guidance you can have information displayed.



On the left of the screen, press the button (1). The display alternates between:

- Information about the destination or waypoint (2) (estimated time of arrival, remaining journey time and remaining distance to destination/waypoint).
- Display of your current speed and altitude above sea level (3).

Information is also displayed in the bottom left corner in the preview area.

The next manoeuvre is displayed as an arrow, with a distance indication underneath it. If two driving manoeuvres are to be performed in succession within a short time, another smaller arrow indicating the second driving manoeuvre is displayed above the first arrow.
You can adjust the volume of the navigation announcements by pressing the button with the speaker symbol in the preview area (See “Changing the announcement volume” on page 76.).

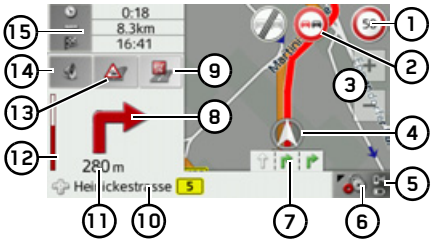
The symbol below is displayed on the left of the preview area if there is a TMC announcement along your route.

Pressing the symbol displays the TMC messages along the route. See “TMC on the route” on page 79.

You can display the points of interest located along your route.

On the left of the screen, press the POI symbol. The POIs are displayed. Please refer to the description in “Point of interest on the route” on page 78.

Spilt screen with route guidance



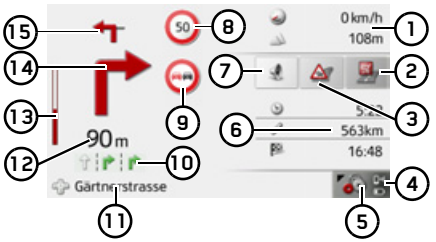
1. Speed limit on the road currently being driven on (display not available for all roads), signs for the driver alerts will also be displayed
2. Driver alerts
3. Zoom buttons
4. Vehicle position
5. Power level/telephone status
6. Button for calling up the options
7. Traffic lane recommendation (only appears on some multi-lane roads; green arrows = recommended lanes)

Note:

Following the traffic lane recommendations allows you to perform the next driving manoeuvre without changing lanes.

8. Next driving manoeuvre
9. Displays POIs on the route
10. Current road, or road to which the next driving manoeuvre leads
11. Distance to next driving manoeuvre
12. Progress bar to illustrate the distance to the next driving manoeuvre
13. Displays TMC messages for the route
14. Calls up volume settings
15. Estimated time of arrival, remaining journey time and remaining distance to the next destination or information box with vehicle speed and altitude above sea level

Route guidance with arrow display



1. Vehicle speed and altitude above sea level
2. Displays POIs on the route
3. Displays TMC messages for the route
4. Power level/telephone status
5. Button for calling up the options
6. Estimated time of arrival, remaining journey time and remaining distance to next destination
7. Calls up volume settings
8. Speed limit on the road currently being driven on (display not available for all roads)
9. Driver alerts

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⑩ Traffic lane recommendation (only appears on some multi-lane roads; black arrows = recommended lanes)

Note:

Following the traffic lane recommendations allows you to perform the next driving manoeuvre without changing lanes.

⑪ Current road, or road to which the next driving manoeuvre leads
⑫ Distance to next driving manoeuvre
⑬ Progress bar to illustrate the distance to the next driving manoeuvre
⑭ Next driving manoeuvre
⑮ Next driving manoeuvre but one

Map display with Junction View

You can display a detailed and realistic view of the lane situation at many motorway junctions.

To do this, switch on the **Junction View** function as described under "The Guidance info button" on page 56.

If you are then directed through a motorway junction by the Traffic Assist, you will see a corresponding display.

→ Follow the lanes indicated with the arrows.

Note:

You can switch back to the normal map display by tapping the display.

Using the map display

Repeating the last announcement

During route guidance, the system announces important information, e. g. the next driving manoeuvre. The last announcement can be repeated with updated information.

→ Press the speaker symbol in the preview area while route guidance is active.

The last announcement is repeated with updated information. The volume is also displayed.

Changing the announcement volume

The volume of announcements can be adjusted.

→ Press the speaker symbol in the preview area while route guidance is active.

The bar display indicates the volume.

→ Press + or − to increase or decrease the volume.

→ Press in order to mute the announcements.

The button will now have a red border.

→ Press again in order to cancel the mute function.

⚠ Warning.

Always adjust the volume so that you can still hear any ambient noise while driving.

The bar display disappears again automatically after a short while if no button is pressed.

Map zooming

The map can be zoomed into in steps via the zoom buttons.

→ Press zoom in + to "zoom in on the map" and therefore to get closer to the details displayed.

→ Press zoom out − to "zoom out from the map" and therefore to obtain a larger overview.

→ Press the button to switch back to the set zoom step after a change.

Note:

The zoom steps are altered in quick succession by pressing and holding the + or − button.

Moving the map

You can move the map to any point.

→ To do this, press the map briefly.

→ Then press any point on the map and move it in the required direction.

The map is then moved accordingly.

Note:

By pressing the **Back to GPS** button you can display your current position again.

You can also select a point as a destination as described under "Selecting a destination from the map" on page 54 or block a road.

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Map display options

In the map display options, you can change the settings for route guidance, the map display and the route.

On the map display, press the button on the bottom right.

This opens the options menu for the map display.
You see the available options in the middle section.
You can go to the next or previous page of the options by pressing the ▲ and ▼ buttons.

Note:

The scope of the displayed functions depends on whether route guidance or a route with several destinations is active.

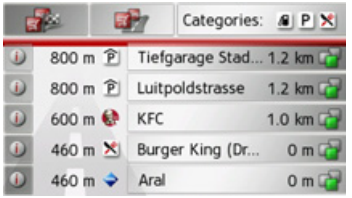
Four fast access buttons are shown on the left-hand side of the options menu. You can assign these buttons different key functions from the options menu as described in "Defining fast access buttons" on page 89.
The options menu is exited either by selecting a function or by pressing the button.

Point of interest on the route

(Only available when route guidance is active.)
During route guidance, you can display the points of interest located on the route. You can specify which categories of points of interest should be displayed, and you can also choose whether to display only the nearest POIs, all the POIs on the entire route, or only POIs near the destination.

→ Open the options menu for the map display.

→ Press the **POI on route** button.

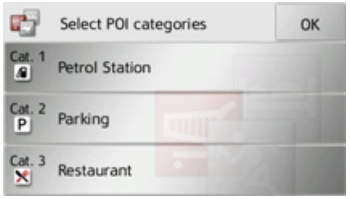


The nearest points of interest for the three selected categories are displayed.
The first distance indicated shows the distance to the point of interest. The indication on the right shows the detour required to reach the point of interest.

The symbols on the right let you see at a glance if the detour for driving to the respective point of interest is small ( ), medium ( ) or large ( ).
Press one of the points of interests to start route guidance to it. To display information regarding the point of interest, press the button next to it.

Setting categories

→ Press the **Categories:** button.



→ Press the button for the category you wish to change.
→ Then select the desired category.
→ Confirm your changes by pressing the **OK** button.

Point of interest near destination/on entire route

→ In the point of interest on the route menu, press the button to show POIs near the destination, or the button for POIs on the entire route.

→ Select the desired category.
→ Then select the desired point of interest.
Route guidance to the selected point of interest is initiated.

TMC on the route

(Only available when route guidance is active.)
You can view and edit TMC messages located on your route.

Note:

Also displayed are the TMC messages that have led to a change in the route.

→ Open the options menu for the map display.

→ Press the **TMC on route** button.

The TMC messages located on your route are displayed.
Once you have selected a message you can decide e.g. whether or not to divert around the hold-up. Please also refer to the description in “Traffic announcements using TMC” on page 69.

Cancel route guidance

(Only available when route guidance is active.)

You can cancel active route guidance.

→ Open the options menu for the map display.

→ Press the **Stop guidance** button.

This cancels route guidance to all destinations.

Note:

You can also cancel route guidance as described in "Basic information about the menus" on page 26.

Changing route options

(Only available when route guidance is active.)

You can modify the route options (route selection etc.) during route guidance.

→ Open the options menu for the map display.

→ Press the **Route options** button.

→ Set the route options as described under "The Route options button" on page 57.

After a change, the route is recalculated.

Block route

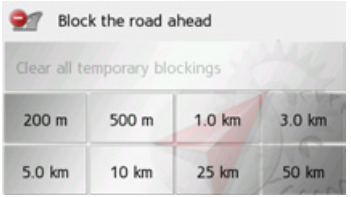
You can block a stretch of road ahead. This determines a certain stretch of road that should not be used. Traffic Assist then attempts to calculate a diversion.

Notes:

- The selected length of the block is only an approximation since the actual distance blocked depends on the availability of an exit.
- You can also define whether the route should be blocked permanently or just for the current route.

→ Call up the options menu for the map display.

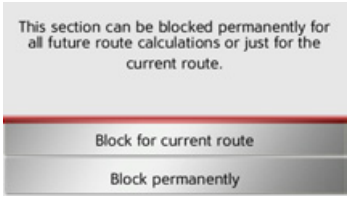
→ Press the **Block** button.



→ Select the length of block you want by pressing one of the buttons.

Notes:

- If route guidance is not active, you can only select between 200 and 500 m (250 and 500 yards). You can then define directly the days and times when the route should be blocked.
- Pressing the **Clear all temporary blockings** button deletes all temporary blocks.


This section can be blocked permanently for all future route calculations or just for the current route.
Block for current route
Block permanently

→ You can then select whether this route section should be blocked permanently or only for the current route.

Subsequent operation corresponds to the description under "The Blocked roads button" on page 67.

Switching the map mode

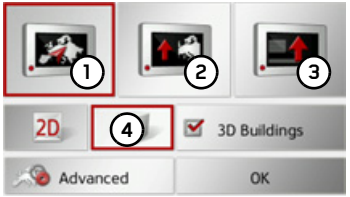
You can select whether the map is to be displayed in 3D or 2D mode, in a split screen with 3D or 2D display or in arrow mode.

You can also select whether or not 3D buildings available in towns should be displayed in 3D mode.

Further setting options are available to you in the extended settings.

→ Open the options menu for the map display.

→ Press the **Map view** button.



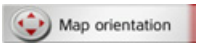
For further operation, please refer to the description in "The Map view button" on page 60.

Changing the map orientation

You can view your surroundings in 3D mode.

When doing so you have the option to change the viewing direction, the map angle and the size of the map area.

→ Open the options menu for the map display.



→ Press the **Map orientation** button.

By pressing buttons (1) you can change the viewing direction or turn the displayed map.

The compass in the top left corner shows the direction in which the map is currently oriented.

By pressing buttons (2) you can change the map angle.

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By pressing buttons (3) you can change the size of the displayed map area.

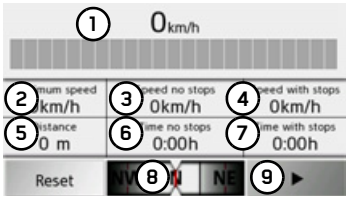
To exit this display again, press the button.

Route calculator

The route calculator provides a data display with average speeds, maximum speeds, etc. and a stopwatch with the option to record laps.

→ Call up the options menu for the map display.

→ Press the **Trip computer** button.



The data display appears.

The data display contains the following information:

(1) Current speed (as a number and in the form of a bar graph)
(2) Maximum speed
(3) Average speed without breaks in the journey
(4) Average speed with breaks in the journey
(5) Total distance
(6) Travel time without breaks in the journey
(7) Travel time with breaks in the journey
(8) Compass
(9) Calls up the stopwatch with lap recording

Press the **Reset** button to reset the values to zero.

To display the stopwatch with the lap recording, press the button (9) in the data display.

→ Press the **Start** button to start the recording.

→ Press the **Lap** button to stop the current recording and start a new lap recording.

You can record up to 300 laps in the same way.

Notes:

- The second value displayed in the top section shows the total time for the laps driven.
- Pressing the arrow button on the left-hand side of the display or pressing the button switches back to the data display.

Press the **Stop** button to stop the recording. The time continues if you press the **Start** button again after stopping the recording.
Press the **Reset** button to delete all recordings and reset all times to zero.

You can display the individual laps in list form using the **List view** button.

→ Press the **Delete all entries** button to delete the recorded laps.

Setting day/night display

You can switch the Traffic Assist display from day to night and vice versa.
→ Call up the options menu for the map display.

→ Press the **Day/Night** button.
The display changes from day to night and vice versa.

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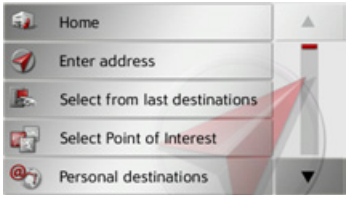
Entering a destination

(Only available when route guidance is not active.)

You can enter a destination.

→ Open the options menu for the map display.

→ Press the **Enter destination** button.



You can now enter a destination as described in "The destination input menu" on page 37 (**Home**, **Enter address**, **Select Point of Interest**, **Personal destinations**, **Contacts**, **Route planning**, **Select on map** or **Enter geo-coordinates**).

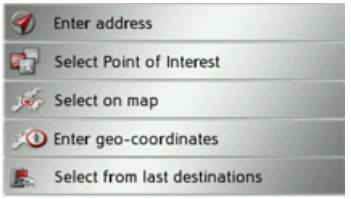
Enter/delete waypoint

(Only available when route guidance is active.)

With this function, you can enter a waypoint or delete an entered waypoint.

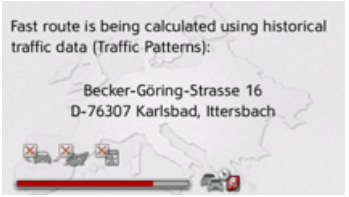
→ Open the options menu for the map display.

→ Press the **Add stopover** button.



You can now enter a destination as a waypoint as described under "The destination input menu" on page 37 (**Enter address**, **Select Point of Interest**, **Personal destinations**, **Contacts**, **Select on map** or **Enter geo-coordinates**). You also have the option of quickly selecting a destination using the **Select from last destinations** button.

Once you have entered the desired waypoint, the route is recalculated.


Fast route is being calculated using historical traffic data (Traffic Patterns):
Becker-Göring-Strasse 16
D-76307 Karlsbad, Ittersbach

The entered waypoint is marked on the map as a red flag.

Deleting a waypoint

→ Open the options menu for the map display.

→ Press the **Delete stopover** button.

→ Press the **Yes** button.

The waypoint is deleted.

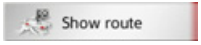
Displaying the entire route

(Only available when route guidance is active.)

You can display the entire route to the destination on the map. You also have the option of displaying the complete directions and blocking particular sections/roads of the route permanently.

As a further option you can display the various routes that you can set in the route options and also select them if you wish.

→ Open the options menu for the map display.



→ Press the **Show route** button.

The entire route is displayed.

You can set the route options by pressing the **Options** button.

By pressing the ▶ or ▶▶ button you can simulate the entire route quickly or slowly. You can stop the simulation by tapping the screen.

Directions

→ With the entire route displayed, press the **Sections** button.

The first point in the directions is displayed on the map.

You can use the ◀ and ▶ buttons to scroll through all the directions.

You can also display a list version of the directions by pressing the **List view** button.

→ Press the arrow buttons ▲ ▼ on the right of the screen to browse through the list.

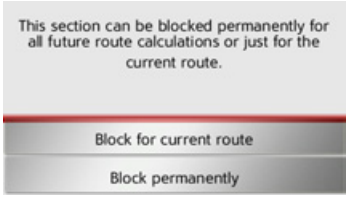
If you press an entry in the directions, it will be displayed on the map.

Blocking route sections/roads

You can block individual route sections/roads. The Traffic Assist then calculates a sensible diversion to avoid the blocked section.

→ Use the ◀ and ▶ buttons in the route directions to select the section of the route to be blocked.

→ Press the **Block** button.

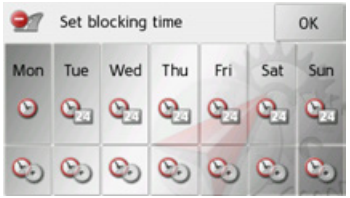

This section can be blocked permanently for all future route calculations or just for the current route.
Block for current route
Block permanently

→ Select **Block for current route** to block the section of the route for the current route guidance session only.

Note:

If the route section is more than 10 kilometres long, you can choose, in another menu, whether to block the entire section or just part of it.

→ Select **Block permanently** to block the section of the route for future route guidance sessions too.



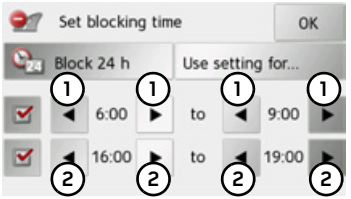
You can now set whether or not the road should be blocked for each day of the week.

→ Press the buttons with the days on which the road should not be blocked (the clock symbol under the day disappears).

→ Confirm your settings by pressing the **OK** button.

or

→ Press the button under one of the days and set up to two times when the road should be blocked.



→ Using the buttons (1) set the first period when the road is to be blocked on this day.

→ Using the buttons (2) set the second period when the road is to be blocked on this day if necessary.

Note:

Press the **Block 24 h** button to set a block for an entire day.
Press the **Use setting for...** button to also use the block on other days.

→ Confirm your settings by pressing the **OK** button.

Note:

The list of roads that you have permanently blocked can be edited as described under “The Blocked roads button” on page 67.

Displaying/selecting different route types

You can use the Traffic Assist to display various routes.

→ With the entire route displayed, press the **Alternative** button.

After a short time, the map will appear. The individual routes are calculated one after another and marked on the map.

The area on the right-hand side shows the colour key for the individual routes, the mileage for each route and the estimated driving time.

Note:

Please note that, in many cases, the fastest route will overlay a simple or economical route.

You can select the route you want by pressing one of the right-hand buttons.

Displaying the destination list

If a planned route with a number of destinations is active, you can display the entire route with all the destinations on the map or in a list.

→ Open the options menu for the map display.

→ Press the **Itinerary** button.

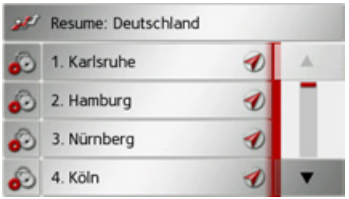
The planned route is displayed on the map.

By pressing the ▶ or ▶▶ button you can simulate the entire route quickly or slowly. You can stop the simulation by tapping the screen.

You can use the ◀ and ▶ buttons in the bottom line to scroll through the individual stages in the route. As you scroll, each stage is shown.

You can block the displayed stage by selecting **Clear form**.

Press **List view** to display the stages in the route as a list.



The individual stages in the route are displayed as a list. To return to the route guidance, press the top button.

To edit one of the stages, press the button next to the stage.

The following options are then available:

- Use **Show details** to display information regarding the selected stage.
- Use **Move up** and **Move down** to change the order of the stages.
- Use **Delete stage** to delete the selected stage.

- Use **Start guidance** to start guidance for the selected stage.

Skipping destination

If a planned route with several destinations is active, you may delete the current destination of the route. Route guidance to the next destination is then started.
This may be necessary if a destination was not driven to directly. The Traffic Assist otherwise tries to guide you to the current destination.

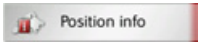
→ Call up the options menu for the map display.

→ Press the **Next destination** button.
Route guidance to the next destination is started.

Displaying current position

You can display your current position and store this position. You can also display information concerning the current GPS reception and the current country.

→ Open the options menu for the map display.



→ Press the **Position info** button.

The current position is displayed. If possible, an address is displayed. If no address is available for the current position, the geographic coordinates are displayed.
You can return to the map using the **Resume** button.
By pressing **Save** you can store your current position in the fast access list.

By pressing the **Country info** button you can display country-specific information such as the maximum permitted speed for the country you are currently in.

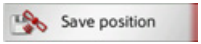
By pressing **GPS info** you can view information regarding the GPS reception.

You can see how many satellites are being received, and whether the satellite reception is good enough for navigation. The current time and the geographic position are also displayed.

Saving a position

You can save the current position.

→ Call up the options menu for the map display.



→ Press the **Save position** button.

→ Enter the name you want for the position.

→ Press the OK button to confirm the name.

Calling up the telephone

You can call up the telephone function.

→ Open the options menu for the map display.

→ Press the **Phone** button.

The telephone function is called up.

Switching off the display

To reduce the distraction posed by the display of the Traffic Assist you can switch off the display. You will then only receive acoustic instructions during route guidance. All overlays will, however, still be displayed.

→ Call up the options menu for the map display.

→ Press the **Display off** button.

To cancel switching off the display you can touch the display or press the button.

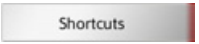
Defining fast access buttons

The Traffic Assist has four freely assignable buttons on the left-hand side of the options menu which you can assign functions from the options menu.

This gives you fast access to key functions.

The buttons are pre-assigned at the factory.

→ Open the options menu for the map display.



→ Press the **Shortcuts** button.

→ Select the fast access button to be changed.

→ Select the desired function from the displayed list.
→ Confirm your selection by pressing the **OK** button.

The map display is opened and the fast access button has the chosen assignment the next time the options menu is opened.

You may connect your Traffic Assist with a cell phone that is equipped with *Bluetooth*® wireless technology.
Your Traffic Assist can then be used as a very comfortable hands-free unit.

Note:

- For some cell phones equipped with *Bluetooth*® wireless technology, it is possible that some of the functions described are not available.
- The following descriptions assume that Bluetooth is activated on the cell phone. You can find out how to activate Bluetooth on your cell phone in the cell phone's description.
- This function must also be activated on the mobile phone for an automatic connection to the mobile phone.

Calling up the telephone mode

You can call the telephone mode from the main menu ① or the map display with the options menu displayed ②.

→ To call the telephone mode, press the **Phone** button in the main menu.
or
→ Press the **Phone** button in the options menu of the map display.

If Bluetooth is activated and the Traffic Assist is already connected with a cell phone, the telephone menu is displayed.

If Bluetooth is not activated upon calling the telephone function, the system will prompt you to switch Bluetooth on.

→ Press the **Yes** button to activate Bluetooth.

→ D
→ GB
→ F
→ I
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→ CZ
→ H
→ SK

The Traffic Assist now attempts again to connect the cell phone last connected. When the connection is established, the telephone menu is then displayed after a short period.
If no cell phone has been connected yet or if the device last connect is not available, the following display is generated.

→ Press the **Yes** button to find Bluetooth cell phones as described in "Searching for cell phones" on page 99.

Telephone menu

From the telephone menu, you have the option:

- Numbers to be dialled or selected from the phonebook,
- Text messages (SMS) to be displayed, edited and read out,
- To call up number lists
- To search for Buetooth telephones
- To disconnect the connection to a cell phone.

If Bluetooth is activated and the Traffic Assist is already connected with a cell phone, the telephone menu is displayed after you call up the telephone function.

In the upper area of the telephone menu, if available, the signal strength of the cell phone, the charging level of the cell phone, the telephone name and the network provider are displayed.

Dialing a number

You can enter a telephone number and start a call to this number or select a number from the phonebook.
→ In the telephone menu, press the **Dial** button.

→ Use the buttons displayed to enter the telephone number you want.

Note:

Press the ← button to delete the characters entered.
Press **Pause** if you wish to pause the dialling process.

→ Press the **Dial** button.
The Traffic Assist then attempts to establish a connection to the phone number entered. You can find out how to continue operation in "Telephone calls" on page 101.

Phonebook

In the phonebook, the system displays the phonebook entries loaded from the SIM card and from the memory of the cell phone. After selecting the desired entry, you can call the respective phone number.

Note:

- Be aware that it may take several minutes to transfer the phonebook.
- If the cell phone whose phonebook was already loaded is reconnected, the phonebook is not loaded again. If entries were changed or entered while the cell phone was not connected, then the phonebook of the Traffic Assist must be loaded manually for the update. See "Updating phonebook" on page 105.

→ In the telephone menu, press the **Dial** button.

→ Press the **Phone book** button.

An input menu is displayed if there are more than 10 entries in the phonebook. If there are fewer than 10 entries, a list of entries is displayed straight away.

→ D
→ GB
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→ In the input menu, select the first letters of the entry you are looking for.

Note:

- For example, if you entered the letters “M” and “I”, the entries are displayed whose last names or first names start with “MI”. That means, “**M**iller John” or “Bauer **Mi**chael”.
- You may enter the first letter of the last name and then enter the first letter of the first name separately using a space (button _).

→ Press the OK button when the name you want is displayed in the upper line.

If there are 5 or less entries with the letter combination entered available in the phonebook, a list is automatically displayed with these entries.

Note:

You may also first have a list displayed that corresponds to the letter combination entered. In the input menu, press the >300 button for this.

→ Select the desired entry in the list.

If there is more than one phone number available for the entry selected, you may then select the respective number.

The different numbers are indicated by icons.

Icon	Significance
	Private phone number
	Business phone number
	Cell phone number

→ Select the phone number you want.

The Traffic Assist then attempts to establish a connection to the phone number selected. You can find out how to continue operation in "Telephone calls" on page 101.

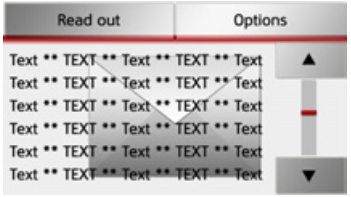
Text messages (SMS)

If this function is supported by the mobile phone, all the received text messages on the SIM card and in the mobile phone's memory will be loaded onto the Traffic Assist. The text messages can be displayed on or read out by the unit and edited.

→ In the telephone menu press the **SMS** button.

The transferred text messages are displayed. The sender's name is displayed if possible. If this is not possible, the number is displayed. The date and time the message was received are also displayed, if they are available.

→ Select the desired text message.


Read out
Options
Text ** TEXT ** Text ** TEXT ** Text
Text ** TEXT ** Text ** TEXT ** Text
Text ** TEXT ** Text ** TEXT ** Text
Text ** TEXT ** Text ** TEXT ** Text
Text ** TEXT ** Text ** TEXT ** Text
Text ** TEXT ** Text ** TEXT ** Text

The selected text message is displayed.

→ Press the **Read out** button in order to have the message read out.

Note:

The message can only be read out if a voice tagged with the abbreviation TTS has been selected. See "The Voice button" on page 65.

→ Press the **Options** button to display the editing options for the text message.

- **Call back**
  By pressing the **Call back** button you can start a call to the sender's number.
- **Numbers**
  By pressing the **Numbers** button you can display any numbers contained in the text message itself and start a call to one of these numbers if desired.
- **Clear form**
  By pressing the **Clear form** button you can delete the selected text message from the Traffic Assist memory and from the phone's memory.

→ D
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Incoming text message

You will receive notification of any text messages received, depending on the settings under "Text message notification" on page 106.
If you have activated the **Show popup** setting, the following menu will be displayed on receiving a new text message.

The following options are then available:

- **Read out**
  The text message will be read out.
- **Show text**
  The text of the message will be displayed.
- **Ignore**
  The text message will be ignored, but can be opened at a later time.

Number lists

In the number lists, the telephone numbers or names last dialed, accepted or not accepted will be shown in chronological order. If possible, the numbers or names of the list stored in the cell phone are also displayed in different lists.

→ In the telephone menu, press the **Last calls** button.

Using the buttons **Missed**, **Accepted** and **Dialled**, you may retrieve the lists loaded from the cell phone.
The number list of the numbers or names dialed, accepted or not accepted at the Traffic Assist is shown in the lines below.

Each line of the number list is divided into two fields. Each list field is designed as a button. On the right button, the number/name is displayed and the features of the entry are displayed with the left icon.

Notes:

- The number list automatically stores the last 100 numbers/names. If the storage capacity of 100 numbers is reached, the oldest number is automatically deleted for each new number. However, important numbers may be protected.
- Entries in the number list only apply to the time that the cell phone with *Bluetooth*® wireless technology was connected to the Traffic Assist.
  Using the buttons **Missed**, **Accepted** and **Dialled**, you may retrieve the lists loaded from the cell phone, if available.

Icons used

The following icons are used in the number list.

Icon	Significance
	This entry is a standard entry without any special features.
	This entry is protected. If the number list is full, this entry is not automatically deleted. You have the option to do this manually. For a protected entry, you also have the option to set the position in the quick access.

Scrolling in the number list

With the ▲ ▼ buttons, you may scroll in the number list in the relevant direction of the arrow.

Dialing an available number

You may select directly the numbers/ names available in the number list.

→ To initiate the call, press the button with the entry you want.

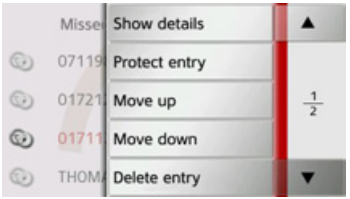
The call will be initiated.

Displaying or editing entries

Each entry included in the number list can be displayed or edited.

→ Press the button field on the left next to the entry you want.

A selection menu appears.



Selection	Significance
Show details	The data for the entry is displayed (number and name, time and date of call, if available).
Protect entry	The entry is protected against automatic deletion (only available for unprotected entries).
Remove protection	The protection of the entry is canceled (only available for unprotected entries).
Move up / Move down	The entry is moved one position forwards/backwards.
Delete entry	The entry is deleted from the number list.
Delete all entries	All entries are deleted from the number list (even the protected entries).

→ D
→ GB
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Lists loaded from cell phone

→ In the number list, call the respective list using the buttons **Missed**, **Accepted** and **Dialled**.

With the ▲ ▼ buttons, you may scroll in the list in the respective direction of the arrow.

→ To initiate a call, press the button with the entry you want.

Note:

Press the ⓘ button in front of an entry to display the data for that entry (number and name, time and date of call, if available).

Connecting Bluetooth telephones

So that you may make and receive calls with your Traffic Assist, a cell phone that is equipped with Bluetooth® wireless technology must be connected to the Traffic Assist. The following describes the various ways to establish a connection.

Calling up a device list

→ In the telephone menu, press the **Phones** button.

The device list is displayed.

From within the device list, you may search for or connect cell phones.

Note:

If you have not yet established any connections to cell phones, then the list is empty.

The device list shows line by line all cell phones that were already connected to the Traffic Assist.

Each line of the device list is divided into two fields. Each list field is designed as a button. On the right button, the device is named and its features are displayed with the left icon.

Icon	Significance
	This device is a standard device without any special features.
	This device is protected. If the device list is full, this device is not automatically deleted. You have the option to do this manually. For a protected entry, you also have the option to set the position in the device list.
	This device is the cell phone currently connected.

By pressing the icon, you can call a menu where you can protect the device, for instance.

Selection	Significance
Protect entry	The device is protected against automatic deletion (only available for unprotected devices).
Remove protection	The protection of the device is canceled (only available for unprotected devices).
Move up / **Move down**	The device is moved one position forwards/backwards.
Delete	The device is deleted from the device list.
Delete All	All devices are deleted from the list (even the protected entries).

Automatic connection

After activation, your Traffic Assist attempts to establish a connection to the cell phone last connected.

Note:

The cell phone last connected is then only connected if in the device list no protected device is in front of this device.

You can switch this function on or off as described in "Automatic connection" on page 104.

Prerequisites for a successful connection are:

- For your Traffic Assist, Bluetooth® is switched on. (See "Switching Bluetooth on and off" on page 104.)
- The cell phone is switched on, is in range, and Bluetooth® is activated.

Searching for cell phones

Note:

Prior to a search, switch on Bluetooth® on the cell phone to be searched for.

→ Call up the device list.

→ Press the **Search Bluetooth phones** button.

The search starts.

During the search, any devices found are displayed and you may cancel the search by pressing the **Stop search** button.

After the search or after you press the **Stop search** button, a list of the devices found is displayed.

→ D
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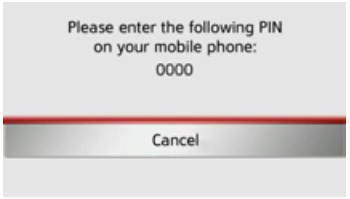
→ Then select the name of the cell phone to be connected.

The Traffic Assist will then attempt to establish the connection. On the cell phone, the password prompt should then occur. This password is fixed by Traffic Assist.



→ Enter the password displayed on the cell phone.

The connection will be established. With a successful connection, the telephone menu will be displayed.

Connecting from device lists

From within the device list, you may initiate a connection to a cell phone. If a cell phone is already connected, that connection is automatically disconnected and the new device is connected.

→ Call up the device list.

→ Select the cell phone you want in the list.

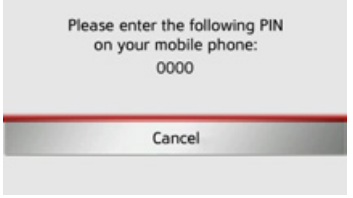
The connection is established to the cell phone selected. With a successful connection, the telephone menu will be displayed.

Connecting a mobile phone

You can also attempt to establish a connection to the Traffic Assist from the mobile phone.

If a request is received from a mobile phone that has not yet been connected, you will be asked whether you wish to allow the connection.

→ Press **Yes** to permit the connection.



→ Enter the displayed password (four zeros) on the mobile phone.

The connection is established. If the connection is successful, the telephone menu is displayed.

Disconnecting a connected telephone

You may disconnect the connection to a cell phone currently connected via Bluetooth.

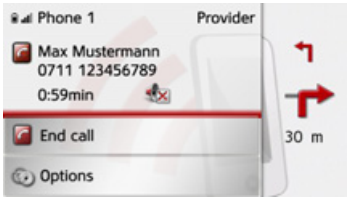
→ Press the **Disconnect** button.
The connection to the cell phone currently connected is disconnected.

Telephone calls

In the telephone calls section, you can find a summary of the control options that are available for establishing a call, accepting a call, and ending a call.

Establishing a call

→ Enter a phone number or select an entry from the number list or phonebook.
The number is dialed.
If the call is accepted by the party called, the display changes and you are connected to the other party.



Accepting a call

For an incoming call, a ringing tone will sound. Also the following is displayed.

If available, the telephone number and name of the caller are displayed.
For incoming calls, you have several operating options:

Selection	Significance
Accept	The call is accepted. The call screen is displayed.
Reject	The call will be declined. The caller hears the busy signal. The screen last active is displayed.
Ignore	The ringing tone is switched off. The screen last active is displayed. The call is ended if the caller hangs up.

→ D
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→ PL
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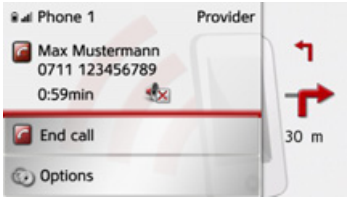
→ SK

If you have switched on the automatic call acceptance as described in "Automatic call acceptance" on page 105, the time to call acceptance is also displayed for the **Accept** button.

Ending a call

You can end an active call.



→ In the call screen, press the **End call** button.

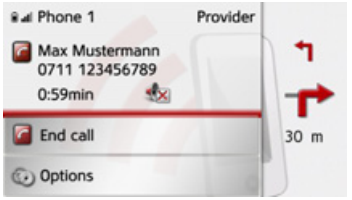
The call is ended. The screen last active is displayed.

Note:

The call is also ended if the other party hangs up. The screen last active is also displayed.

During a call

During a call, you have various control options.



In the call display, the signal strength of the cell phone, the charging level of the cell phone, the telephone name and the network provider are displayed if available in the upper area.

Beneath, the call time and, if available, the phone number or name the name of the other party are displayed.

If route guidance is active, then you will receive the navigation instructions with arrows on the call screen.

Note:

If during a call there is another incoming call, this is not indicated. But the number of the caller is displayed in the number list.

→ To call the options menu of the call screen, press the **Options** button.

- **Volume**
  By pressing the **Volume** button, you can call the volume adjustment. See "Telephone volume" on page 105.
- **Microphone off/Microphone on**
  For a private conversation in a vehicle, you can switch off the microphone of the Traffic Assist. The other party on the phone will not hear anything.
  Press the **Microphone off** button to switch off the microphone. Press the **Microphone on** button to switch the microphone back on.
- **Private mode/Hands free**
  You can transfer a call back to the cell phone. The hands-free function is then ended.
  After the call is ended, the connection to the cell phone is automatically re-established.
  Press the **Private mode** button. The hands-free function is ended.
  Press the **Hands free** button to make and receive calls again via the Traffic Assistprior to ending the call.
- **DTMF tones**
  You can send DTMF tones during a call (e. g. to check an answering machine).
  Press the **DTMF tones** button.
  Use the desired button in the menu displayed to enter the respective tone.

Telephone settings

The telephone settings include all the settings relevant for the telephone mode.

Note:

All settings must be confirmed by pressing the **OK** button. With the button, you can exit the current menu at any time without having changed anything.

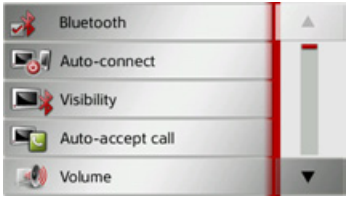
→ In the main menu, press the **Settings** button.

→ Press the **Phone settings** button.

You will branch to the menu for the telephone settings.

Start

In the menu, various pages with the functions are available:



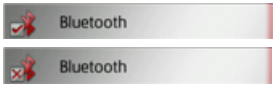
You can branch to the next or previous page of the settings by pressing the ▲ and ▼ buttons.

Switching Bluetooth on and off

With the **Bluetooth** button, you can switch Bluetooth on or off.

→ In the settings menu, press the **Bluetooth** button.

Depending on the previous setting, you can switch Bluetooth on or off.



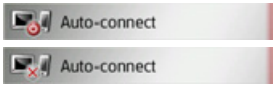
- Top icon: function on
- Bottom icon: function off

Automatic connection

With the **Auto-connect** button, you can switch on or off whether an automatic connection to a cell phone is attempted after switching on the Traffic Assist.

→ In the settings menu, press the **Auto-connect** button.

Depending on the previous setting, you can switch the function on or off.



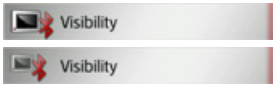
- Top icon: function on
- Bottom icon: function off

Visibility

With the **Visibility** button, you can switch on or off whether or not for a search other Bluetooth devices can detect the Traffic Assist.

→ In the settings menu, press the **Visibility** button.

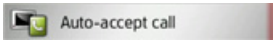
Depending on the previous setting, you can switch the function on or off.



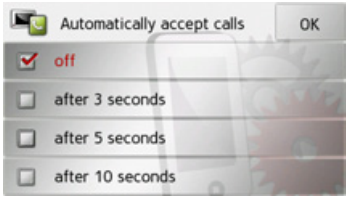
- Top icon: function on
- Bottom icon: function off

Automatic call acceptance

With this function, you can set whether or not or after which time an incoming call is accepted automatically.



→ In the settings menu, press the **Auto-accept call** button.



→ Select whether incoming calls will be accepted automatically after 3, 5 or 10 seconds.

If you select **Off**, the function is switched off.

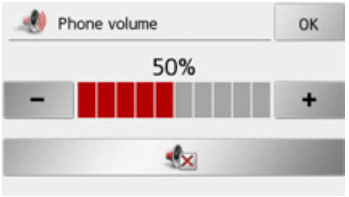
The setting currently selected is indicated with a checkmark ( ).

→ Confirm your settings by pressing the **OK** button.

Telephone volume

With this function, you can set the volume of the ringtone and the volume of the call.

→ In the settings menu, press the **Volume** button.



→ Select the desired volume with the – and + buttons.

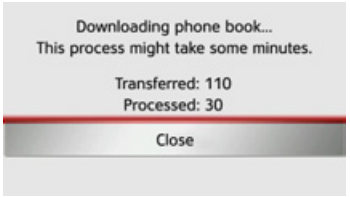
→ Press the button to mute the volume.

→ Confirm your settings by pressing the **OK** button.

Updating phonebook

With this function, you can update or re-transfer the stored phonebook entries in the Traffic Assist.

→ In the settings menu, press the **Refresh** button.



Be aware that it may take several minutes to load the phonebook.

→ D
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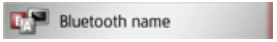
→ SK

Bluetooth name

With this function, you can assign a name for your Traffic Assist. This assigned name will then be displayed by other Bluetooth devices.

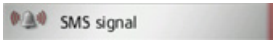


→ In the settings menu, press the **Bluetooth name** button.

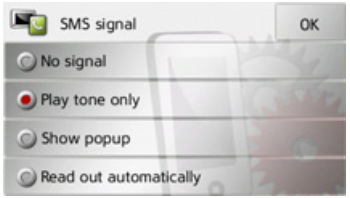
→ Enter the desired name.
→ Confirm the name entered by pressing the **OK** button.

Text message notification

With this function you can set how the Traffic Assist should respond when a new text message is received.



→ Press the **SMS signal** button in the settings menu.



→ Select the required setting.

- **No signal**
  No notification is given.
- **Play tone only**
  A signal tone will sound.
- **Show popup**
  A menu is displayed in which you can select whether the message should be displayed, read out or ignored. See “Incoming text message” on page 96.
- **Read out automatically**
  An incoming text message will be read out automatically.

Note:
The message can only be read out if a voice tagged with the abbreviation TTS has been selected. See “The Voice button” on page 65.

→ Confirm your settings by pressing the **OK** button.

Under Extras, the following functions are summarized:

- MP3 player*
- Picture viewer*
- Video player*
- Country information

The extras menu is called up from the main menu.

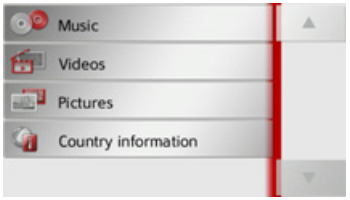
→ In the main menu, press **Extras**.

This displays the extras menu.

→ Select the desired function by pressing one of the buttons.

MP3 player*

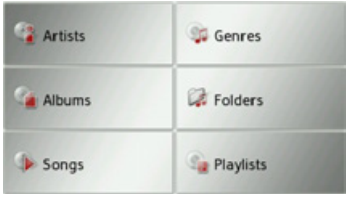
The MP3 Player can play MP3 tracks saved on an inserted micro SD memory card or on the internal memory.



Press the **Music** button.

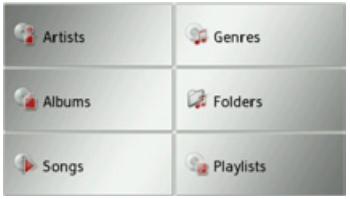
If a track is already playing, the playback menu is displayed immediately.

If no track is playing, the selection menu is displayed.



Selecting a track

Tracks can be selected from the selection menu.



In the selection menu, you have 6 ways of selecting tracks.

Note:

In order to select tracks using the categories **Artists**, **Genres** and **Albums**, the MP3 files should have ID3 tags.

Titles can only be selected using the **Playlists** category if there are playlists on the memory card.

- **Artists**
  When you select **Artists** the tracks on the memory card are listed sorted by artist.

→ D
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→ PL
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→ H
→ SK

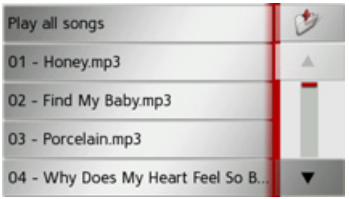
*Function can be retrofitted via the Content Manager.

- **Genres**
  When you select **Genres** the tracks on the memory card are listed sorted by genre (e.g. rock, pop).
- **Albums**
  When you select **Albums** the tracks on the memory card are listed sorted by album.
- **Folders**
  When you select **Folders** you can select the tracks according to the folder structure on the memory card.
- **Songs**
  When you select **Songs** all the tracks on the memory card are listed in alphabetical order.
- **Playlists**
  When you select **Playlists** the playlists on the memory card are listed.

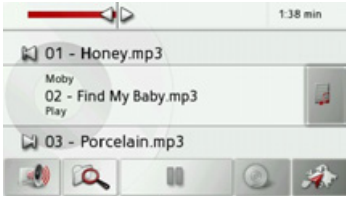
Selection using **Folders** is described here as an example. The other selection options are similar in functionality.

→ Press the **Folders** button.

The directories on the memory card are displayed.
By pressing the **Play all folders** button you can play all the tracks in the current directory level.
Press the arrow buttons ▲ ▼ on the right of the screen to browse through the list.
You can press the button at any point to go up one step in the directory hierarchy.
→ Select the required folder or subfolder.



→ Choose the track you want, or press **Play all songs** to play all the tracks in the selected folder.
The playback menu is displayed.



The playback menu

You can use the playback menu to control the playback of the MP3 tracks.

1. Elapsed track time
2. Call up track list
3. Call up navigation mode
4. Switch between random play and track repeat
5. Start/pause playback
6. Open folder overview
7. Volume setting
8. Display/button for next track
9. Current track
10. Display/button for previous track
11. Graphic display of the playing time / fast forward/rewind

Track skip

The names of the next and previous track are displayed above and below the current music track.

→ Press a track.

The track in the track line is loaded.

- The track will not be played until the playback button is pressed.
- If a track is already being played, this is interrupted and playback of the new track begins.

Playback

To play the music track displayed in the track line, press the following button:

→ Press the button with the play icon.

The MP3 player starts playback. The button display changes to the pause icon.

At the top right of the display, you can see the elapsed time. Next to that, the elapsed time is displayed in the form of a bar. By pressing and moving the arrow at the end of the bar, you can move to a different place in the current track.

Note:

The displayed times may differ from real time, depending on the bit rate (compression) of the MP3 file.

Interrupting playback

You can pause and resume playback at any time.

→ Press the button with the pause icon.

Playback is interrupted. The current track is still displayed in the track line. The button display changes to the playback icon. Playback is continued by pressing again.

→ D
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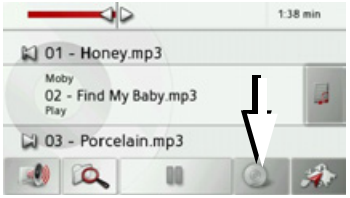
Track repeat / random play

You can set a track to repeat on a loop, or play the tracks in a random order.



→ Press the button marked with an arrow repeatedly until the desired function is selected.

The icon displayed changes according to the function selected.

- Icon functions are turned off
- Icon random play is selected
- Icon title repeat is selected

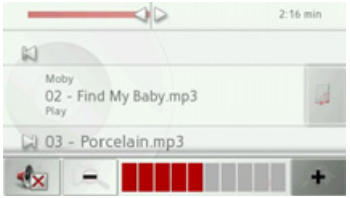
Setting the volume

You can set the volume of the MP3 playback.

⚠ Warning.

Always adjust the volume so that you can still hear any ambient noise while driving.

→ In the playback menu, press the button.



→ Press + or − to increase or decrease the volume.
→ Press in order to mute the music.
→ Press again in order to cancel the mute function.

Closing the MP3 player

Pressing the button closes the MP3 player and displays the media menu.

Note:

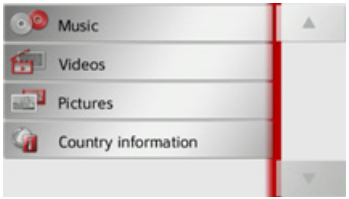
Please note that music playback will continue, despite leaving the playback menu. Press the pause icon to stop music playback. (Siehe “Interrupting playback” auf Seite 109.)

Image viewer*

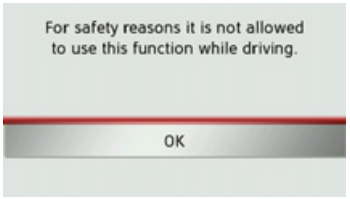
Note:

The image viewer cannot be called up when route guidance is active.

The Image Viewer can display pictures saved on an inserted micro SD memory card or on the internal memory.
The jpg and bmp image formats are supported.

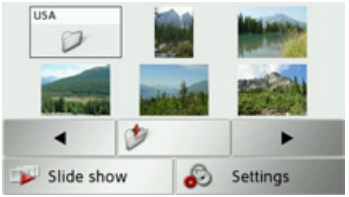


Press the **Pictures** button.



A message is displayed stating that the image viewer must not be used when driving. Please observe this warning.

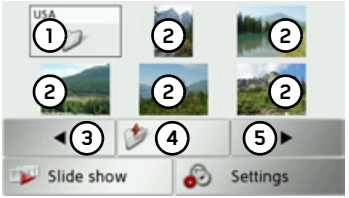
→ Confirm the message by pressing the **OK** button.



The image viewer menu appears.

The image viewer menu

In the image viewer menu, you can select images, start a slide show and call up the settings.



(1) File containing images
(2) Thumbnails of the images in the current folder
(3) View the previous page of images/folders
(4) Go up one level in the directory hierarchy
(5) View the next page of images/folders

→ D
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*Function can be retrofitted via the Content Manager.

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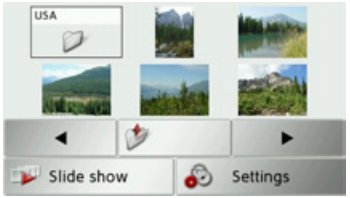
Selecting an image



→ In the image viewer menu, select the desired folder, and then the desired image.

You can use the ◄ and ► buttons to scroll through the pages of images and folders.

The selected image is displayed along with an image menu.

You can use the menu buttons to rotate or enlarge the image or to display information.

Press the buttons to the left and right of the image to move to the next or previous image.

Press the centre of the image to hide the image menu.

Press the right- or left-hand side of the screen to move to the next or previous image.

Press the centre of the image to show the image menu again.

Enlarging the image

→ Show the image menu.

→ Press the **Zoom** button.

→ Move the control on the right of the screen to the desired level of magnification.

The image can then be moved around.

Press the centre of the image to cancel the enlargement.

Rotating the picture

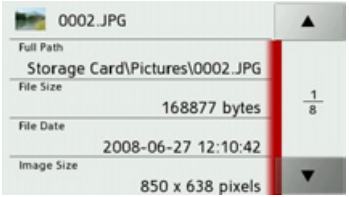
→ Show the image menu.

→ Press the **Rotate** button until the image is in the desired orientation.

Press the centre of the image to hide the image menu again.

Displaying image information

→ Show the image menu.
→ Press the **EXIF** button.



Information on the current image is displayed.
→ Press the button to close the information.

Slide show

In the slide show, all the pictures in the current folder level are automatically displayed sequentially.
→ Press **Slide show** in the image viewer menu.
The image display changes to full screen display and initiates the slide show according to the settings made, with the first image in the current folder level.
The slide show will end once all images have been displayed.
Press the button to stop the show before the end.

Settings

In the settings, you can choose the speed at which the images are displayed, whether certain effects are used when a new image is shown, and whether the images should be loaded at a higher quality.
→ Press **Slide show settings** in the image viewer menu.

→ You can use **Interval time** to set the display duration.
→ In **Effects** you can choose the transition effects for the images.
→ In **Load pictures in high quality (slower)** you can choose whether images should be loaded at high resolution (☑) or not (☐).
Loading the images at high resolution makes the display slower.
→ Confirm your settings by pressing the **OK** button.

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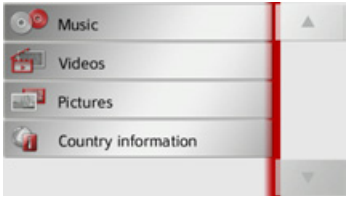
Video player*

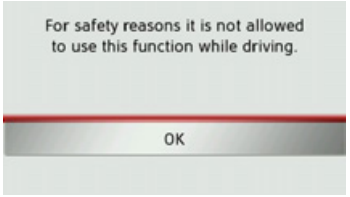
Note:

The video player cannot be called up when route guidance is active.
The video player must not be operated during driving.

The Video Player can show videos saved on an inserted micro SD memory card or on the internal memory.
The Traffic Assist supports the MPEG4 Part2 video format with the file extension .avi.



Press the **Movies** button.



A message is displayed stating that the video player must not be used when driving. Please observe this warning.
→ Confirm the message by pressing the **OK** button.

The selection menu is displayed.
In the selection menu, all the folders on the memory card containing videos are displayed.
→ In the selection menu, select the desired folder, and then the desired video.

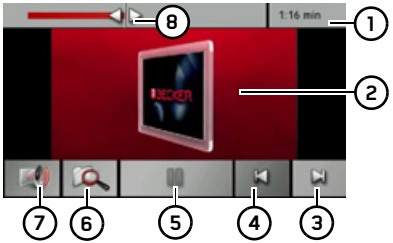
The selected video is played in full-screen mode.

*Function can be retrofitted via the Content Manager.

Displaying the video menu

You can use the video menu to control the playback of the video.

→ Press the screen when a video is running in full-screen mode.



The video menu appears.

1. Elapsed track time
2. Currently playing video
3. Open next video in the folder
4. Open previous video in the folder
5. Start/pause playback
6. Open folder overview
7. Volume setting
8. Graphic display of the playing time / fast forward/rewind

If no button is pressed for a short time, the video menu is automatically hidden again.

Playback

The displayed video is played using the following button:

→ Press the button with the play icon.
The video player starts playback. The button display changes to the pause icon.

At the top right of the display, you can see the elapsed time. Next to that, the elapsed time is displayed in the form of a bar. By pressing and moving the arrow at the end of the bar, you can move to a different place in the current video.

Interrupting playback

You can pause and resume playback at any time.

→ Press the button with the pause icon.
Playback is interrupted. The current track is still displayed in the track line. The button display changes to the playback icon. Playback is continued by pressing again.

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Setting the volume

You can set the volume of the MP3 playback.

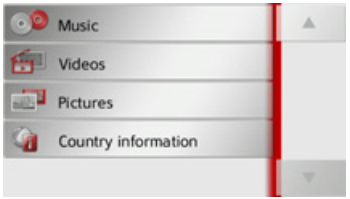
⚠ Warning.
Always adjust the volume so that you can still hear any ambient noise while driving.

→ In the playback menu, press the button.

→ Press + or − to increase or decrease the volume.
→ Press in order to mute the music.
→ Press again in order to cancel the mute function.

Country information

The country information enables you to display country-specific information for numerous countries (maximum permitted speed, alcohol limits, etc.).



→ Press the **Country information** button.

The list of countries is displayed.
→ Press the button for the desired country.

The country-specific information is displayed (maximum permitted speed, alcohol limits, etc.).

Note:
Please note that the information may not be complete and other regulations may apply in the various countries.

Below you will find a description of the symbols used:

Symbol	Meaning
	Speed limit in built-up areas
	Speed limit outside built-up areas
	Speed limit on motorways
	Alcohol limit
	Reflective jacket requirement
	Driving lights requirement during daytime
	Tow rope must be carried
	Spare bulbs must be carried
	Fire extinguisher must be carried

Press the **OK** button or the button to leave the menu.

→ D
→ GB
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→ FIN
→ TR
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→ PL
→ CZ
→ H
→ SK

Selecting system settings

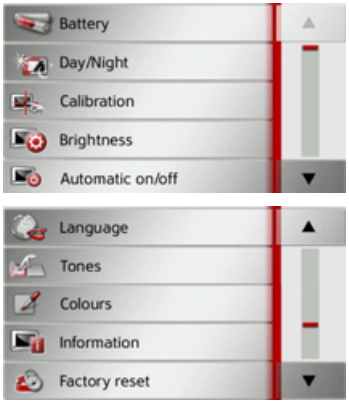
You can change various basic settings for all applications on the Traffic Assist.

→ In the main menu, press **Settings**.

→ Press **System settings**.
The system settings menu is displayed.

The system settings menu

You can select the various settings options from the system settings menu.



Operation

Selection options

Select the desired menu item by pressing the appropriate button. The functionality of the buttons varies depending on the selection and is described under “The individual menu items” on page 119.
You can go to the next or previous page of the settings by pressing the ▲ and ▼ buttons.

Closing the settings menu

Press to close the settings menu.

The individual menu items

Battery

Your Traffic Assist may be operated using an external power supply unit or an integrated rechargeable battery.

Note:

The current charging state is important when operating with a battery. If the battery is low on power, it may not be possible to continue navigation right to the destination.

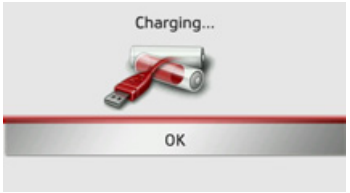
The energy supply and status are shown on a display.

Displaying the power supply

You can call up the status display using the following button.

→ Press the **Battery** button.
The status display appears and shows the power supply.

The power level is shown in the charge display. In the example, the battery still has around two-thirds charge.
The charging operation is indicated by the mains socket symbol in the status display.

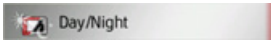


Closing the status display

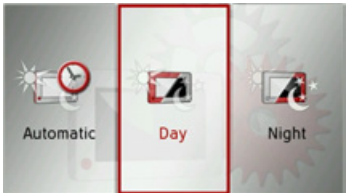
Pressing the **OK** button closes the status display and shows the settings menu.

Day/night display

You can set the Traffic Assist display to day, night or automatic.
The automatic setting changes automatically between day and night display depending on the time, the current position and the time of year.
You can call up the setting using the following button:



→ Press the **Day/Night** button.



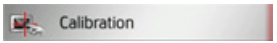
→ Select from **Automatic**, **Day** and **Night**.
The desired function is activated and the system settings are displayed.

Calibration

If the touch screen responds incorrectly when buttons are pressed, it needs to be calibrated.

Starting the calibration

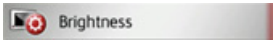
You can start the calibration using the following button:



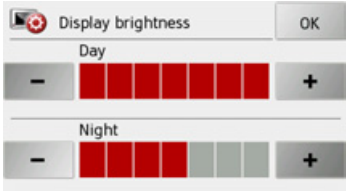
→ Press the **Calibration** button.
The calibration procedure will be started. You will be guided through the procedure by means of text instructions.

Brightness

You can set the brightness of the display separately for day and night display.
With the following button, you may call the setting:



→ Press the **Brightness** button.



→ Use the − and + buttons to set the desired brightness for the day and night display.
→ Confirm your settings by pressing the **OK** button.

Language

The texts on the touch screen can be displayed in a variety of languages.

Opening language selection

You can choose between the various languages using the following button:

→ Press the **Language** button.
The language selection appears.

The language selection shows the available languages in a list several pages long. Each list field is in the form of a button. Each button is labelled with the language name and the associated national flag.

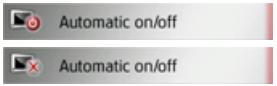
Scrolling
Using the ▲ ▼ buttons, it is possible to scroll through the list in the direction of the relevant arrow.

Selecting the language
→ Press the button for the required language.
→ The selection is confirmed by pressing **OK**.
A prompt appears indicating that the software has been re-started, and you are asked whether you really want to change the language.
→ Confirm the prompt using **Yes**.

Cancelling the language selection
Pressing the button cancels the language selection and shows the settings menu.

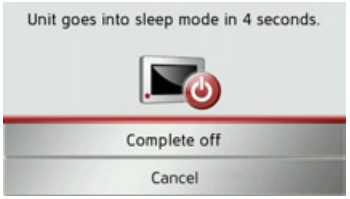
Automatic on/off
The Traffic Assist can switch automatically to sleep mode when the vehicle ignition is switched off.
Prerequisite:
- The Traffic Assist must be connected to the vehicle cigarette lighter (see also page 18).
- The cigarette lighter is de-energized after the ignition is switched off.
- The relevant function can be switched on at the Traffic Assist.

Switching the function on / off
→ Press the **Automatic on/off** button.
Depending on the previous setting, the function will be switched on or off. The current setting is shown by the icon.



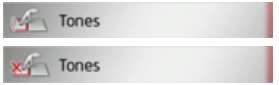
- Top icon: The function is switched on, the Traffic Assist switches off automatically.
- Bottom icon: The function is switched off, the Traffic Assist does not switch off automatically.

The following display is shown during automatic switch-off.



You can cancel the automatic switch-off procedure by pressing the **Abbrechen** button.

Sounds
You can switch the Traffic Assist signal tone on and off. This also includes the clicking of the touch screen buttons.
→ Press the **Tones** button.
Depending on the previous setting, the signal tones are switched on or off.



- Top icon: Tones switched on
- Bottom icon: Tones switched off

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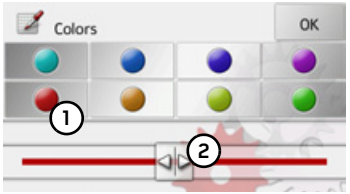
Setting the colour

You can change the colour of the icons and other design elements.

→ Press the **Colours** button.



→ Select one of the eight predefined colours.

or

→ Select the required colour using the slider (2) at the bottom of the display.

Note:

The colour of the button (1) corresponds to the red colour set at the factory.

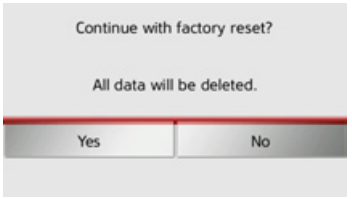
→ Confirm your settings by pressing the **OK** button.

Factory settings

You can reset your Traffic Assist to the factory settings.

This deletes the following amended data: saved destinations, saved routes, the home address, telephone data, images, videos etc. saved on the internal memory.

→ Press the **Factory reset** button.



→ Press the **Yes** button.

The Traffic Assist is reset to the factory settings.

Information

The following button displays information regarding the Traffic Assist.

→ Press the **Information** button.

The information display appears.

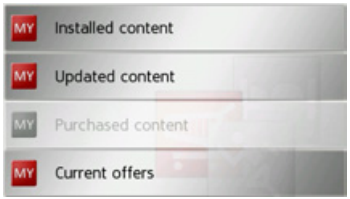
Note in particular the product designation and the software version. Always quote these details in enquiries to the service provided by Harman/Becker.

The **Map version information** button displays information relating to the installed map data.

My XTRAS

You can display the content installed on your Traffic Assist, the content that has already been updated, the content that has been purchased and the content that can be additionally purchased via the Content Manager.

→ Press the **XTRAS** button.



→ Press the button with the information on the content you want.

The content is displayed.

You can display further information by pressing the various content.

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GMT
(**G**reenwich **M**ean **T**ime)
Central European Time
The standard time at 0 degrees of longitude (the longitude which passes through Greenwich, Great Britain). This time is used worldwide for the synchronisation of data collection.

Bluetooth
Technology for wireless data transmission at short range up to 10 meters.

GPS
(**G**lobal **P**ositioning **S**ystem)
GPS determines your actual geographical position by the use of satellites. It is based on 24 satellites which orbit the Earth and emit signals. The GPS receiver receives these signals and calculates the distance to each satellite from the running time differences and thus evaluates its actual current position in terms of geographical length and width. In order to determine the position, signals from at least three satellites are required, and the fourth one allows the height to be determined.

ID3-Tag
„Index of Contents" of an MP3 title. Contains information such as title, artist, album, year and genre.

JPG/JPEG
(**J**oint **P**hotographic **E**xperts **G**roup)
The JPEG is the most common type of storage format for dissipating picture compression., i.e. when compressing, details of the picture are lost. Still provides good picture quality despite compression, compression stages are selectable. It is the most common format for representation and exchange of pictures on the internet.

MP3
Special compression process for audio data (e.g. music).

SD Card
(**S**ecure **D**igital)
The Secure Digital Card was developed in 2001 by SanDisk on the basis of the older MMC standard. An SD card is a re-writable change-over storage card.

Stylus
A stylus is an input pointer which is used for the operation of touch-screens, mobile phones or PDAs.
The stylus consists basically of a plastic pointer with a softer plastic core. The sleeve is hard and can be gripped and the softer core emerges at the tip and is designed to touch the screen as softly as possible (i.e. without the danger of scratching the screen).
The stylus is more accurate than operation using the fingers, since only the thin tip touches the screen. In addition, dirty marks on the screen caused by finger prints are avoided.

TMC
(**T**raffic **M**essage **C**hannel)
Traffic announcements transmitted by most FM stations via RDS. Basis for dynamic navigation.

USB
(**U**niversal **S**erial **B**us)
The Universal Serial Bus (USB) is a bus sytem for interconnection of a computer with external USB peripherals for the exchange of data.

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- **Dimensions:**
  (W x H x D) in mm 126,4 x 81,4 x 19,7
- **Weight:**
  214 grams
- **Processor:**
  500 MHz Processor
- **Screen:**
  4.3 Inch
  Touch-Screen
  64000 Colours
  Low reflection values
  Display resolution: 480 horizontal and 272 vertical
- **Storage:**
  4 GB Flash Storage
  128 MB SD-RAM
- **Micro SD Card Reader:**
  Support up to 8 GB class 6 SDHC
  FAT 32 formatted
- **USB Interface:**
  USB Client 2.0
  MINI USB
- **Headphone output:**
  3.5 mm Stereo Socket
- **1 Internal speakers**:
  2 Watt max.
- **Power supply voltage:**
  LPS (Limited Power Source)
  5 V/1A via USB port
- **AC Adapter (not included)**:
  100 - 240 Volt
  0.2 Ampere
  50 - 60 Hz
  Output Voltage 5Volt

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Dear customer,
In conformance with current EC guidelines, any person may operate this unit. This unit conforms to the current valid European or harmonised national standards. This designation is your guarantee that the unit conforms to the applicable specifications regarding electromagnetic compatibility. This means that interference with other electrical/electronic devices caused by the unit, or interference with this unit caused by other electrical/electronic devices, is largely prevented.

CE

Z213/Z215

E13

10 R - 03 10138

The EC type-approval mark (E13) issued by Luxembourg's Road Traffic Registration Authority in accordance with European Directive ECE-R10 governing the EMC of motor vehicles in its current version authorises installation and operation of the unit in motor vehicles (classes L, M, N and O).

EU Declaration of Conformity

Harman/Becker Automotive Systems GmbH declares herewith that Traffic Assist conforms to the basic requirements of the applicable EU guidelines and in particular conforms to the basic requirements and the other relevant regulations of the R&TTE Directive 1999/5/EU.

You can find a comprehensive EU Declaration of Conformity on our website http://www.mybecker.com under the "Downloads" area for the respective product.

Disposal of the unit

Customer information on the disposal of electrical and electronic devices (private households)

In accordance with the self-imposed principles of Harman/Becker Automotive Systems GmbH, the product has been developed and made from high-quality, recyclable materials and components.

This symbol on the product and/or accompanying documents means that at the end of their life electrical and electronic products must be disposed of separately from domestic waste. Please take these products to communal collecting points or recycling centres for processing and salvage of materials. The units will be accepted there free of charge.

The proper disposal of this product helps protect the environment and prevents harmful effects on humans and the environment which could result from improper handling.

More detailed information on the nearest collecting point or the nearest recycling centre can be obtained from your local council.

For commercial customers in the European Union

Please contact your dealer or supplier if you would like to dispose of this electrical/electronic equipment.

Information on disposal in countries outside of the European Union

This symbol is only valid within the European Union.

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Disposal of the battery

Duty to supply information according to battery legislation (BattV)

Batteries must not be disposed of in household waste. It is the duty of the user to return used batteries. Please only dispose of batteries via specialised dealers or at battery collection points. In this way, you make a positive contribution to environmental protection.
Since 1998, German battery legislation obligates all citizens to dispose of used batteries exclusively via the retail or at collection points specially equipped for this purpose (statutory obligation to return). It is the duty of the retail and of manufacturers to take back these batteries free of charge and to correctly recycle them or to dispose of them as hazardous waste (statutory obligation to take back). If you wish to return your batteries to us, please send them, with adequate postage, to the following address:

Harman/Becker Automotive Systems GmbH
- Battery recycling -
Becker-Göring-Straße 16 16
D- 76307 Karlsbad- Ittersbach

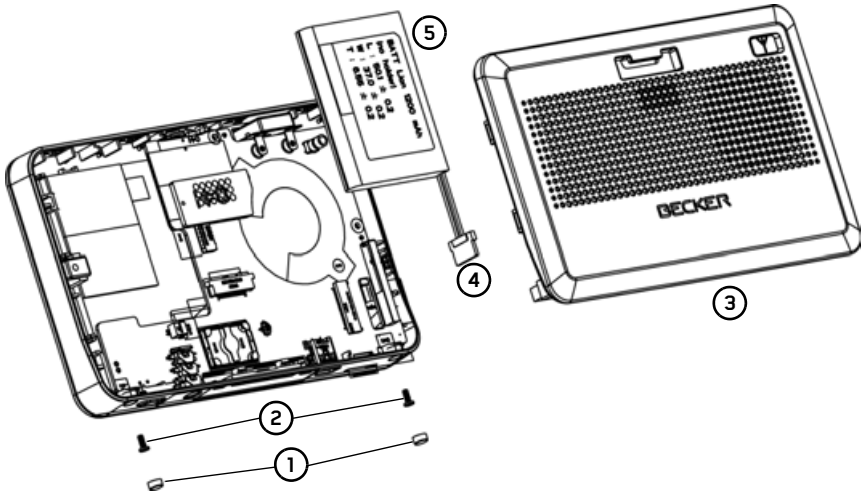
The lithium ion battery in the Traffic Assist is marked with the adjacent symbol, consisting of a crossed-out waste bin, and the type of battery used.

Lithium ion

Removing the battery

Before you hand in your old unit for disposal, the battery must first be removed.

Note:
Please note that in following the removal instructions for the battery described here, your unit may be **destroyed**. You should only remove the battery if your unit is old and is to be handed in for disposal.



→ Completely discharge the battery (leave the unit switched on with no power supply until it automatically switches off).
→ Remove the two rubber covers (1) from the screw holes.
→ Unscrew and remove the two housing screws (2) using a small cross-slot screwdriver.
→ Lever off the rear of the housing (3) using a flat-blade screwdriver (placed at the slits on the sides of the housing).
→ Pull out the connector of the battery connecting cable (4).
→ Remove the battery (5).

Note:
Do not reconnect a unit that you have opened to the power supply.

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